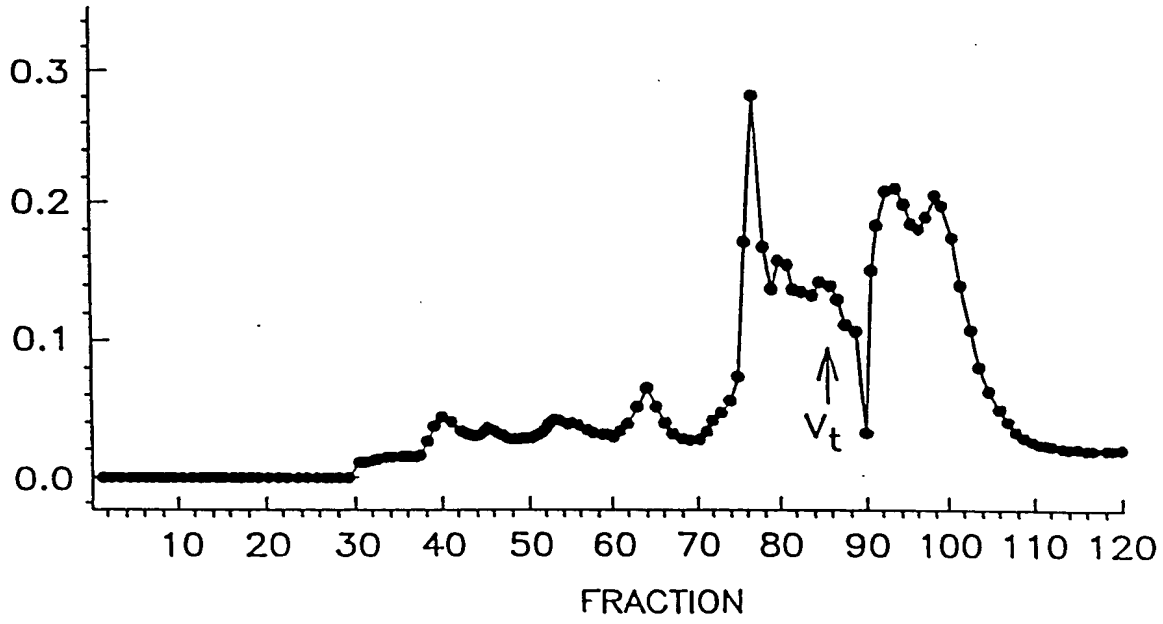

0.3
0.2
0.1
0.0
V_t
10 20 30 40 50 60 70 80 90 100 110 120
FRACTION

FIG. 1

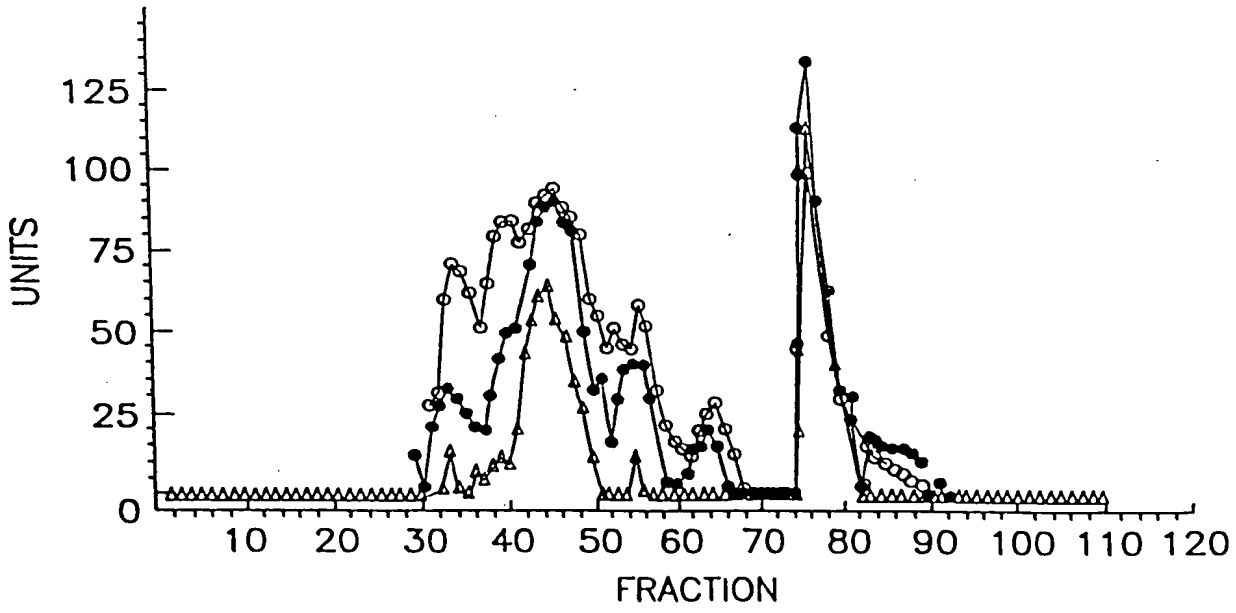

125
100
75
50
25
0
UNITS
10 20 30 40 50 60 70 80 90 100 110 120
FRACTION
o E. COLI
L. MONOCYTOGENES
Δ C. ALBICANS

FIG. 2

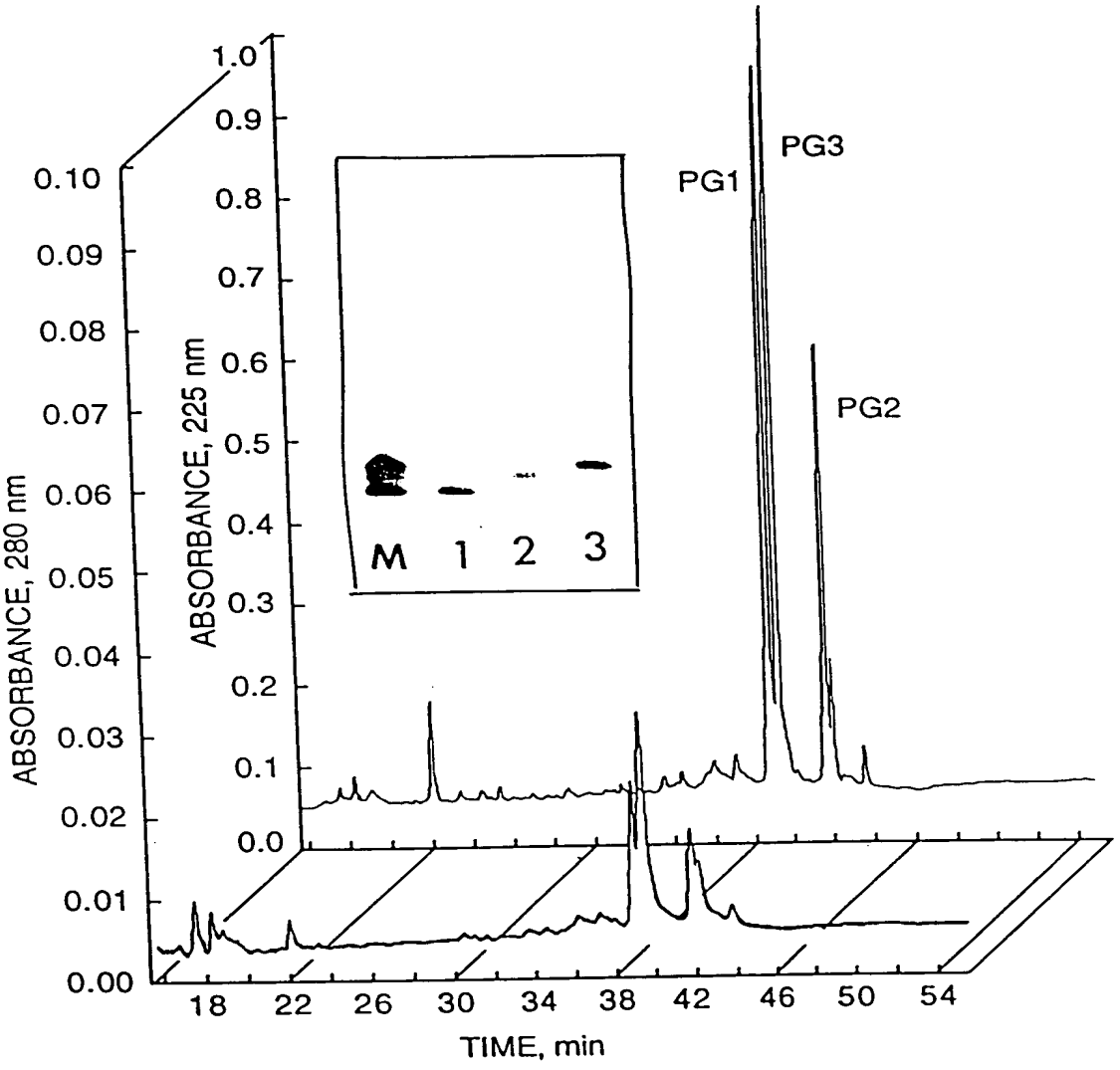

ABSORBANCE, 280 nm
0.10
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
ABSORBANCE, 225 nm
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
PG1
PG3
PG2
M 1 2 3
18 22 26 30 34 38 42 46 50 54
TIME, min

FIG. 3

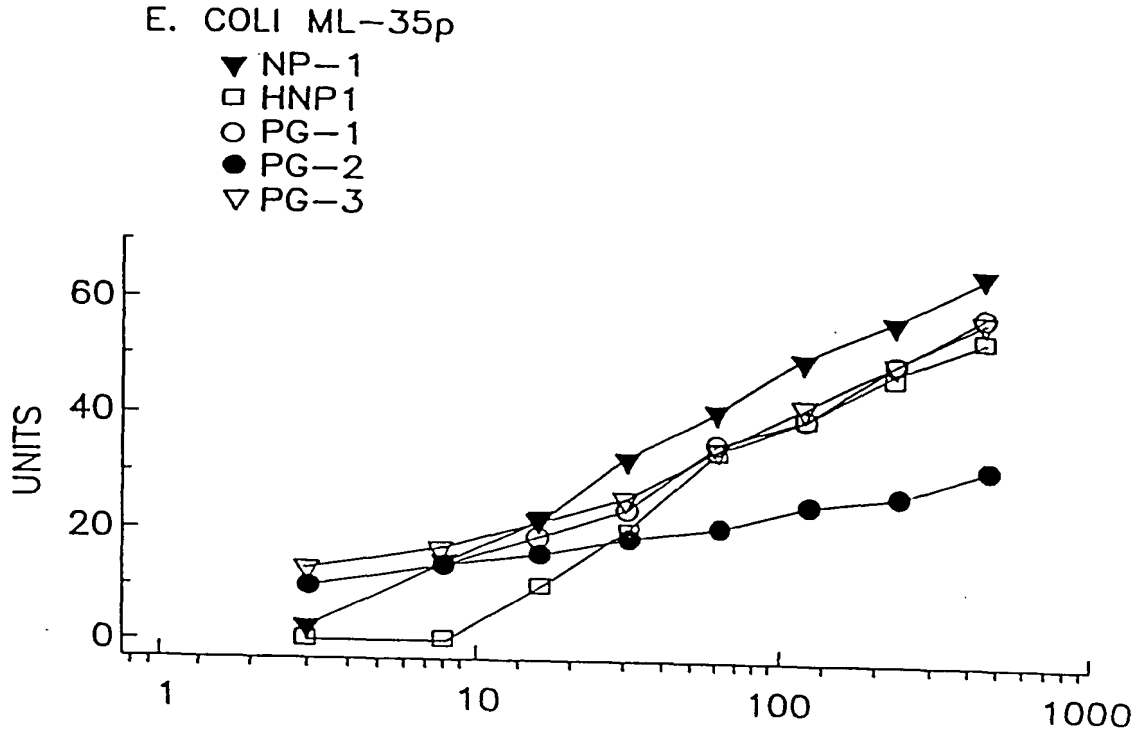

E. COLI ML-35p
NP-1
HNP1
PG-1
PG-2
PG-3
UNITS
60
40
20
0
1
10
100
1000

FIG. 4a

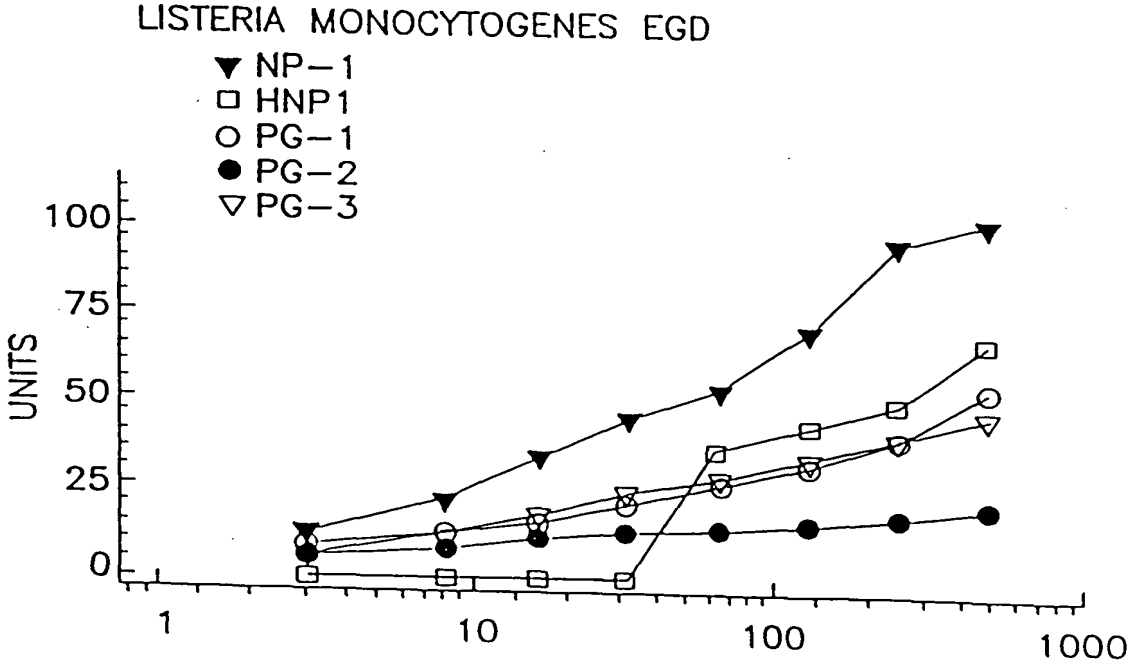

LISTERIA MONOCYTOGENES EGD
NP-1
HNP1
PG-1
PG-2
PG-3
UNITS
100
75
50
25
0
1
10
100
1000

FIG. 4b

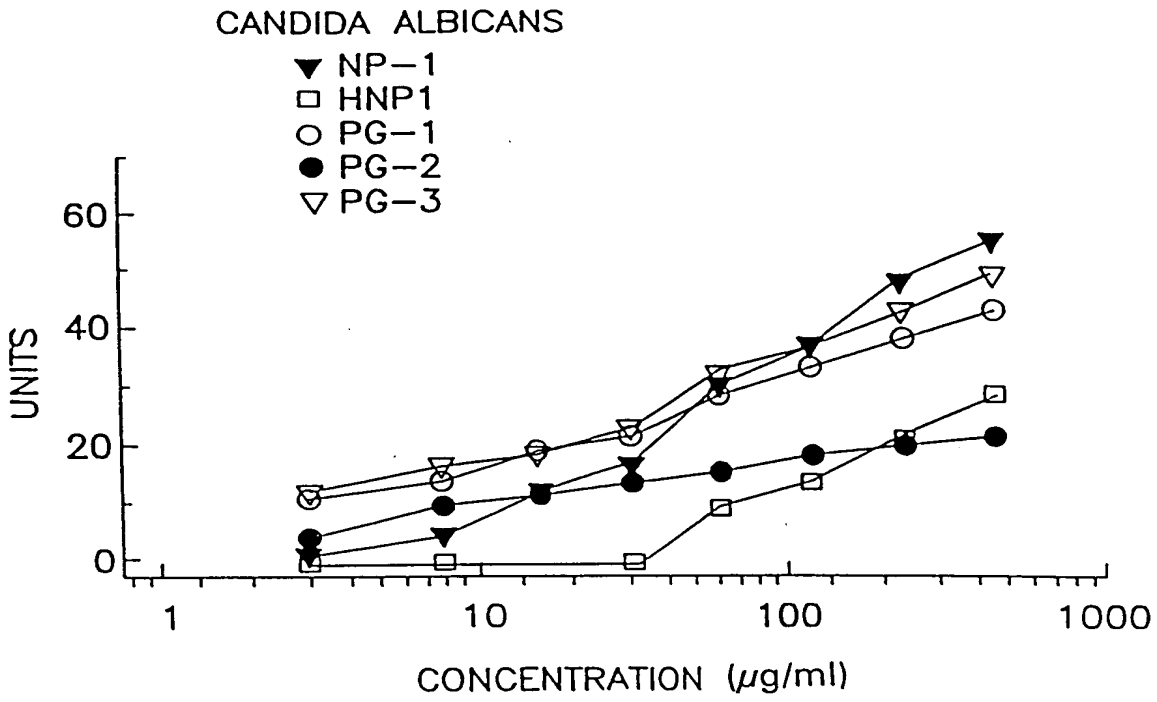

CANDIDA ALBICANS
NP−1
HNP1
PG−1
PG−2
PG−3
60
40
20
0
UNITS
1
10
100
1000
CONCENTRATION (μg/ml)

FIG. 4c

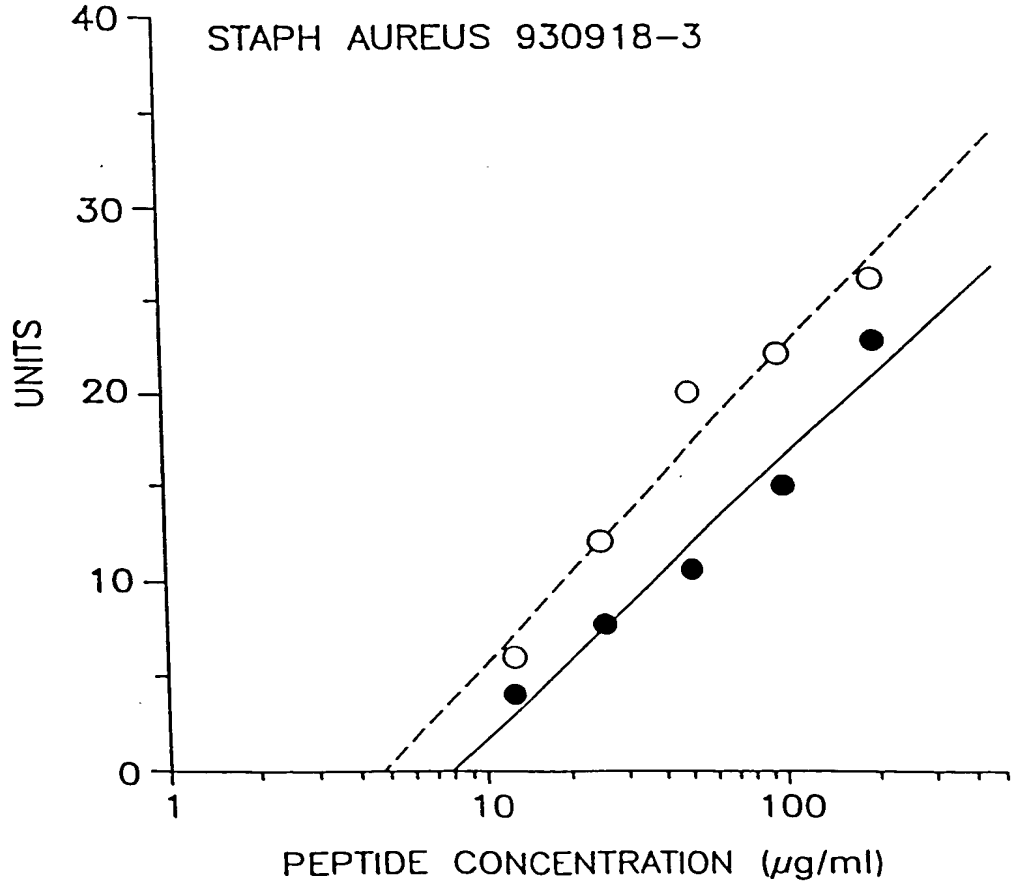

40
STAPH AUREUS 930918−3
30
20
10
0
UNITS
1
10
100
PEPTIDE CONCENTRATION (μg/ml)

FIG. 4d

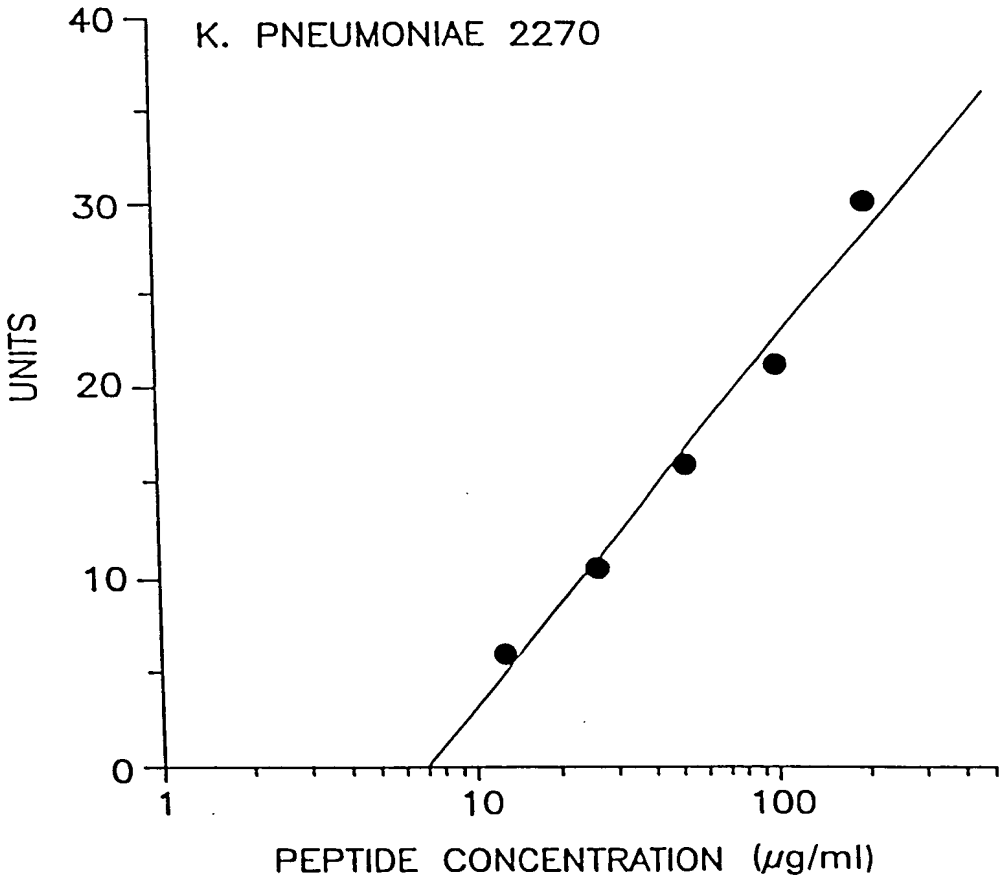

K. PNEUMONIAE 2270
40
30
20
10
0
UNITS
1
10
100
PEPTIDE CONCENTRATION (μg/ml)

FIG. 4e

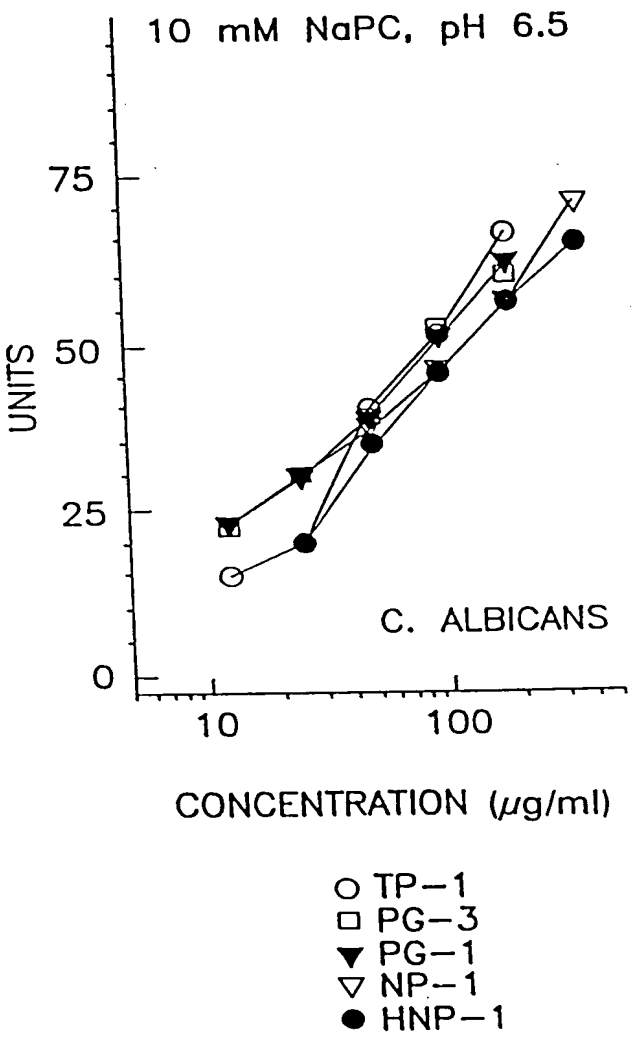


FIG. 5a-1

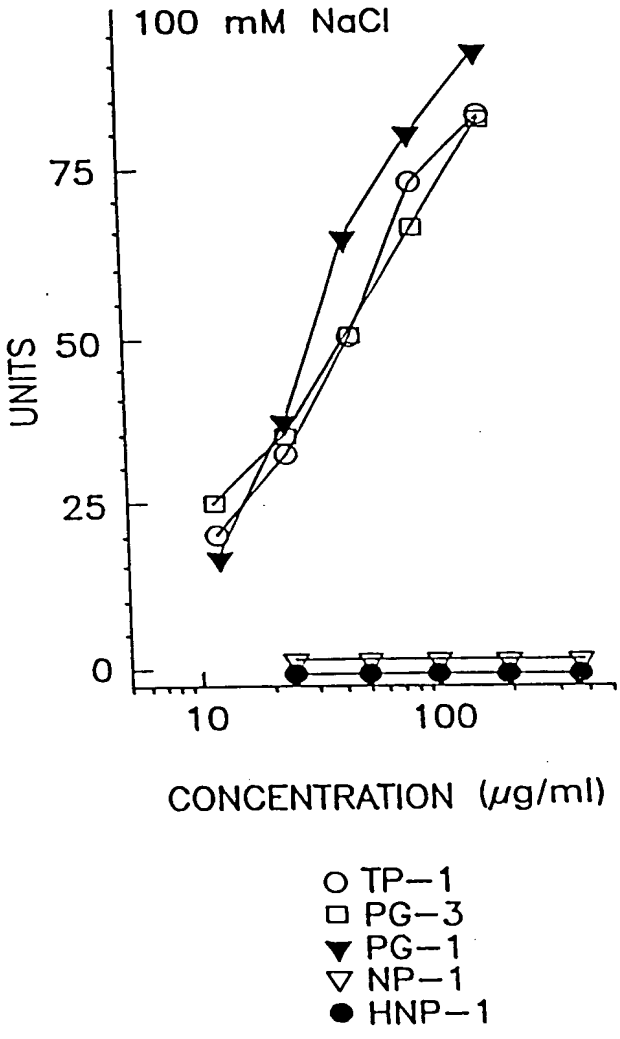


FIG. 5a-2

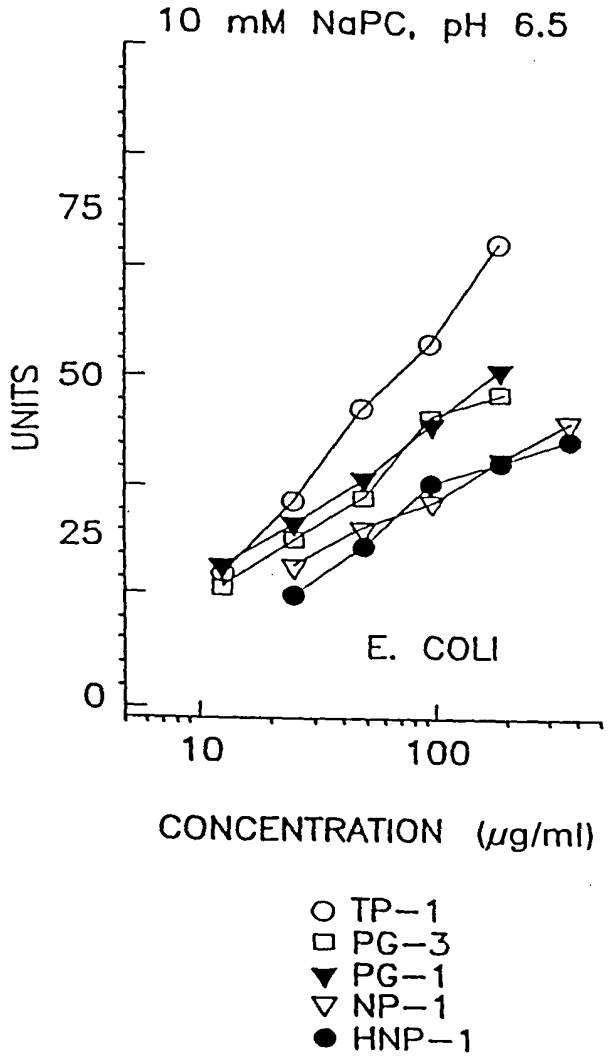


FIG. 5b-1

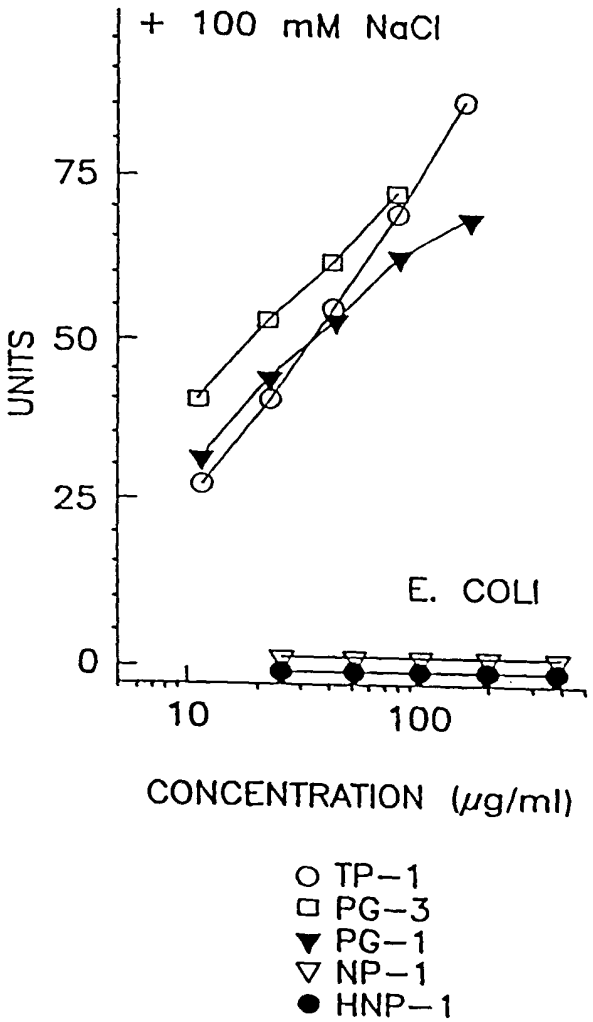


FIG. 5b-2

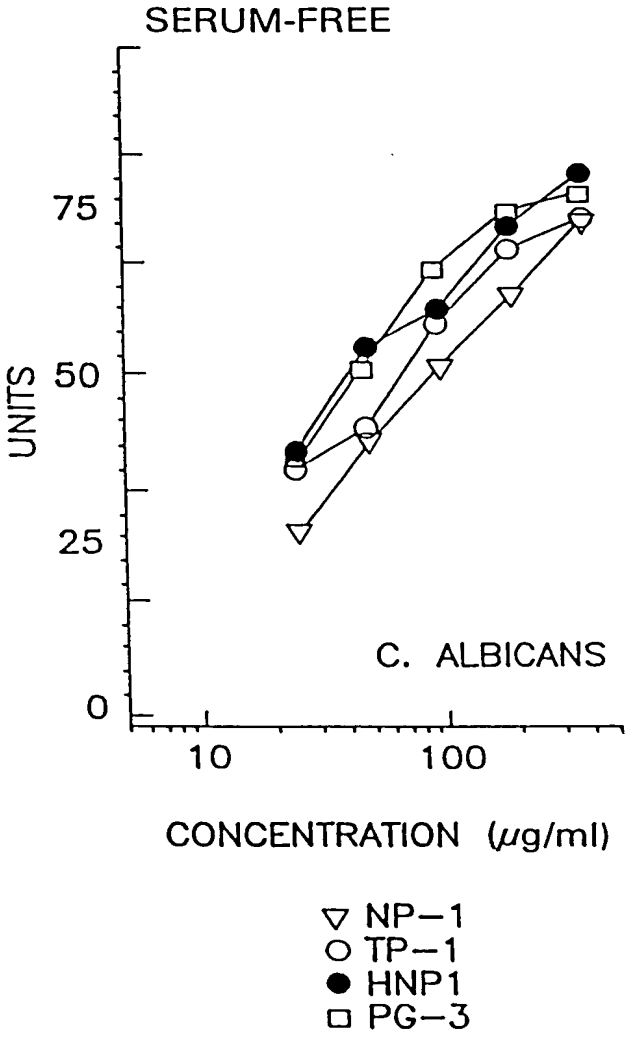


FIG. 5c-1

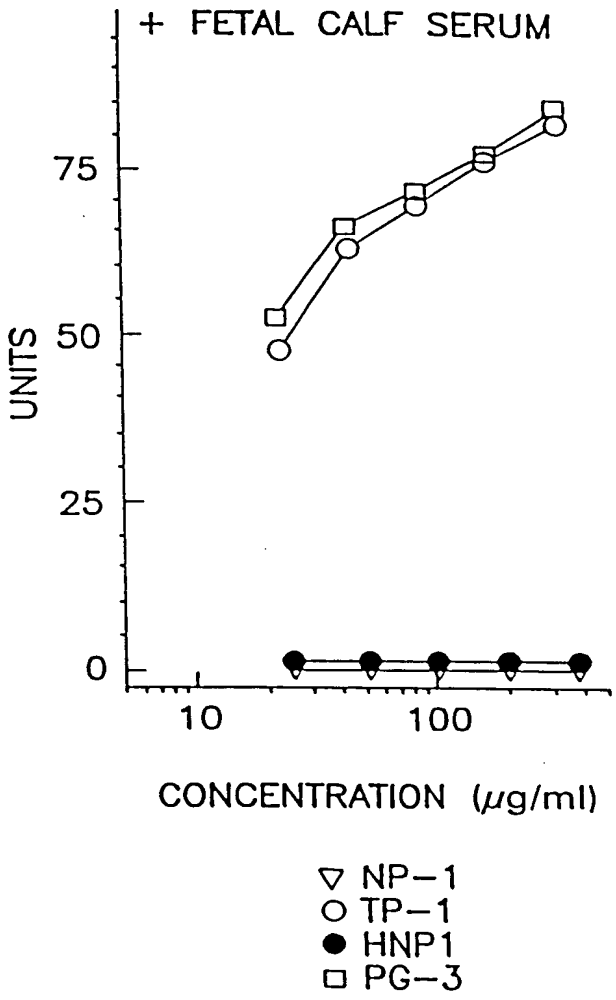


FIG. 5c-2

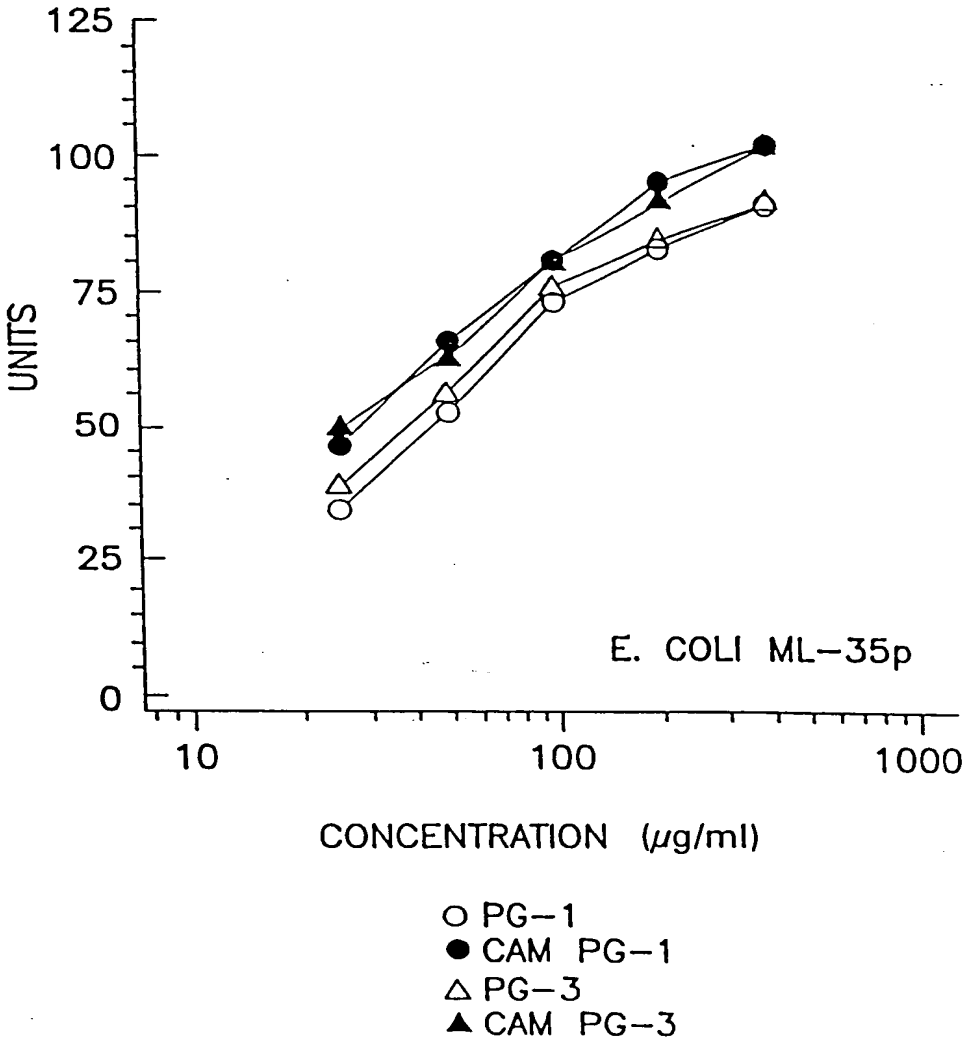

125
100
75
50
25
0
UNITS
E. COLI ML-35p
10
100
1000
CONCENTRATION (μg/ml)
○ PG-1
● CAM PG-1
△ PG-3
▲ CAM PG-3

FIG. 6a

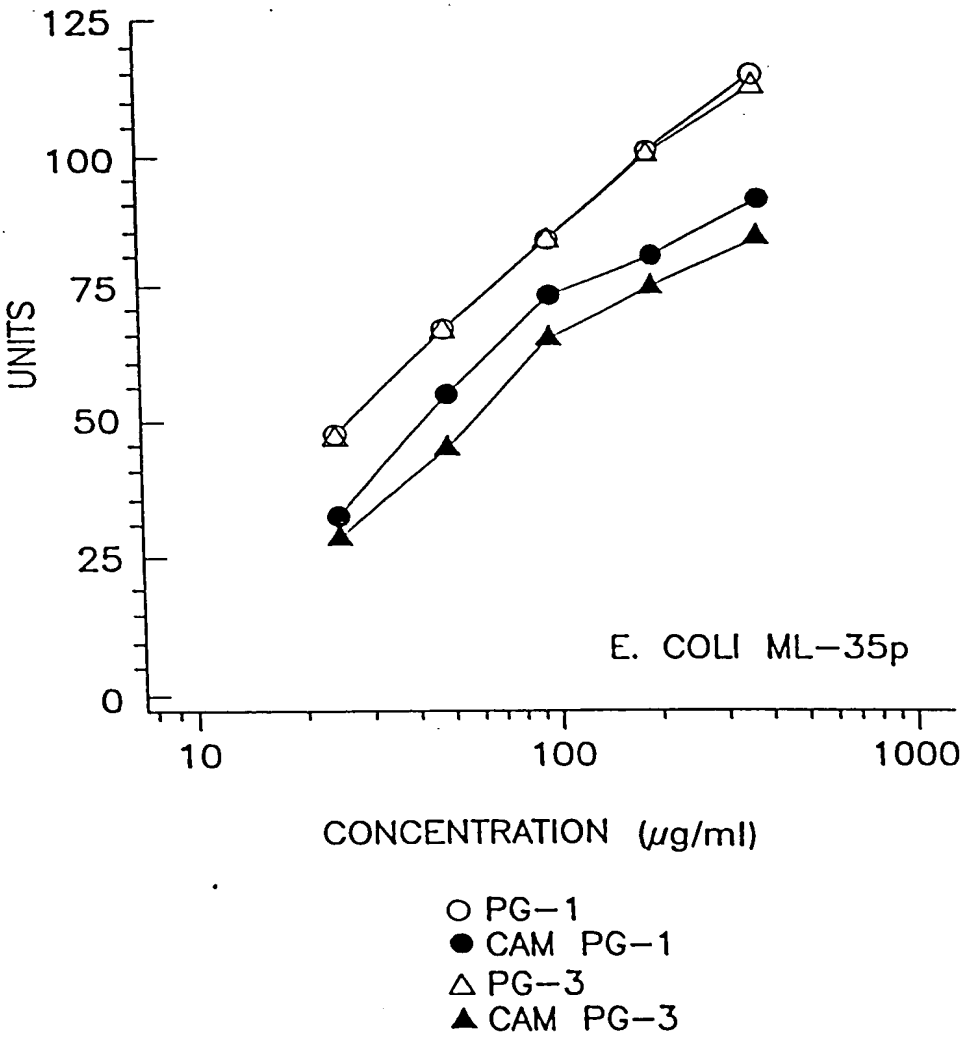

125
100
75
50
25
0
UNITS
E. COLI ML-35p
10
100
1000
CONCENTRATION (μg/ml)
○ PG-1
● CAM PG-1
△ PG-3
▲ CAM PG-3

FIG. 6b

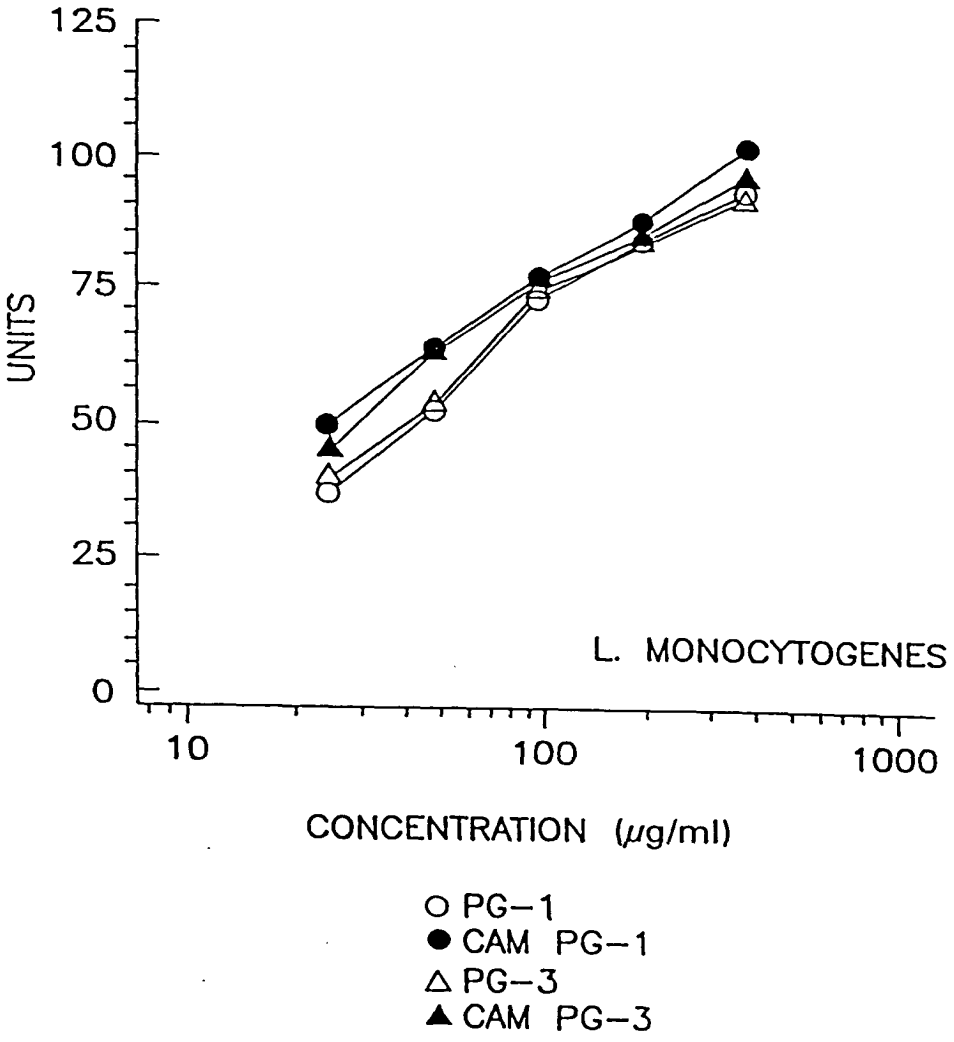

125
100
75
50
25
0
UNITS
L. MONOCYTOGENES
10
100
1000
CONCENTRATION (μg/ml)
○ PG-1
● CAM PG-1
△ PG-3
▲ CAM PG-3

FIG. 6c

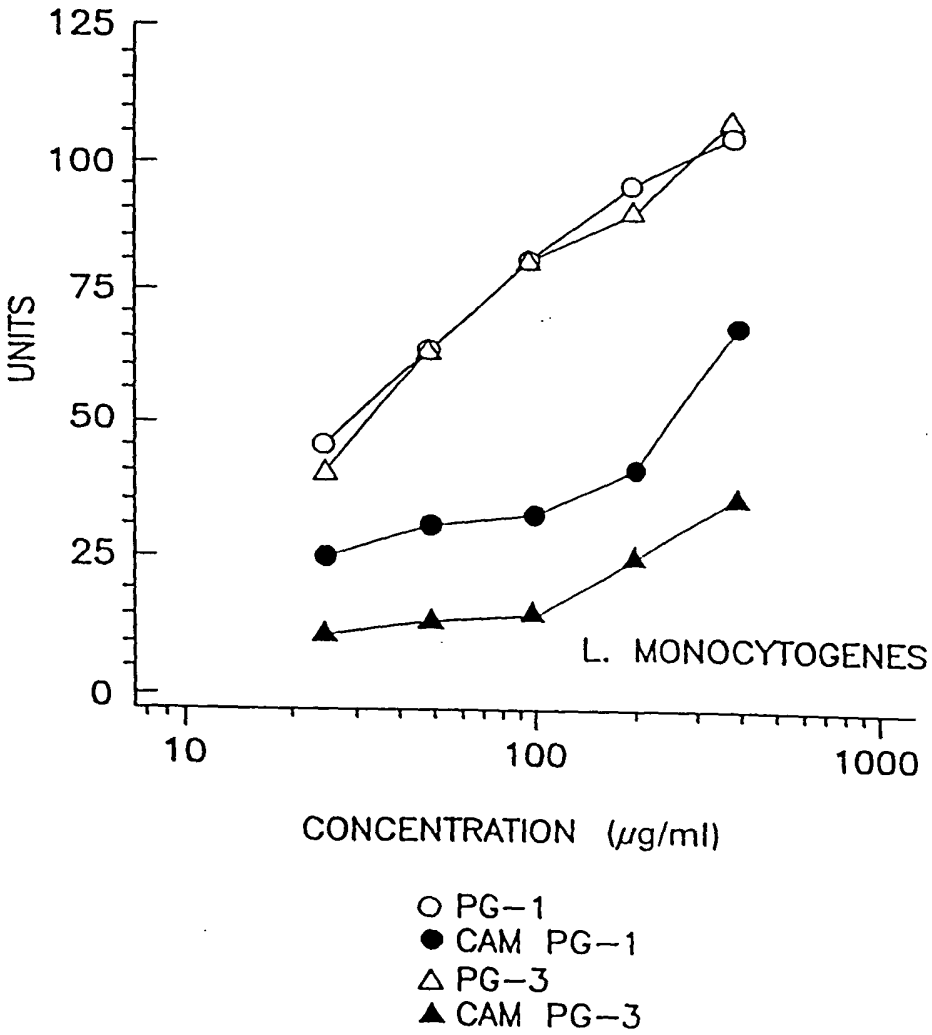

125
100
75
50
25
0
UNITS
10
100
1000
L. MONOCYTOGENES
CONCENTRATION (μg/ml)
○ PG−1
● CAM PG−1
△ PG−3
▲ CAM PG−3

FIG. 6d

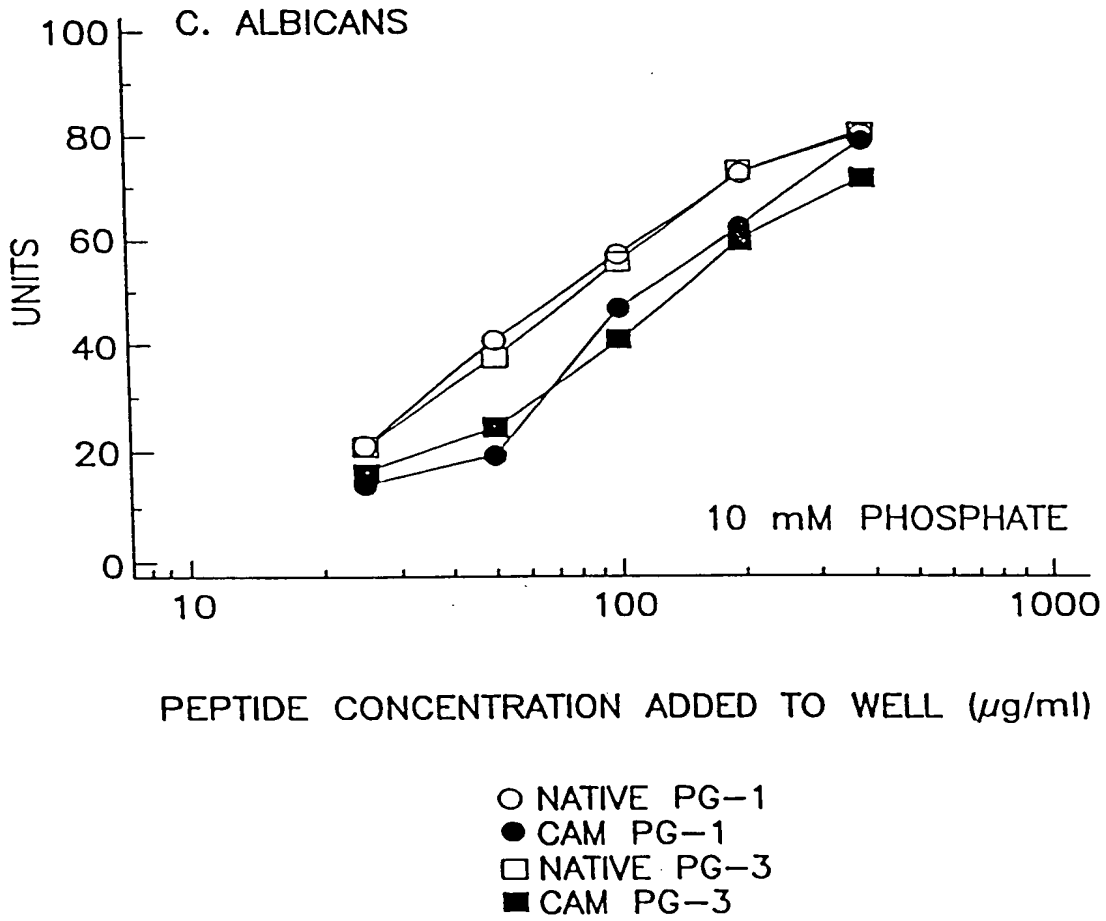

C. ALBICANS
100
80
60
40
20
0
UNITS
10 mM PHOSPHATE
10
100
1000
PEPTIDE CONCENTRATION ADDED TO WELL (μg/ml)
O NATIVE PG-1
● CAM PG-1
□ NATIVE PG-3
■ CAM PG-3

FIG. 6e

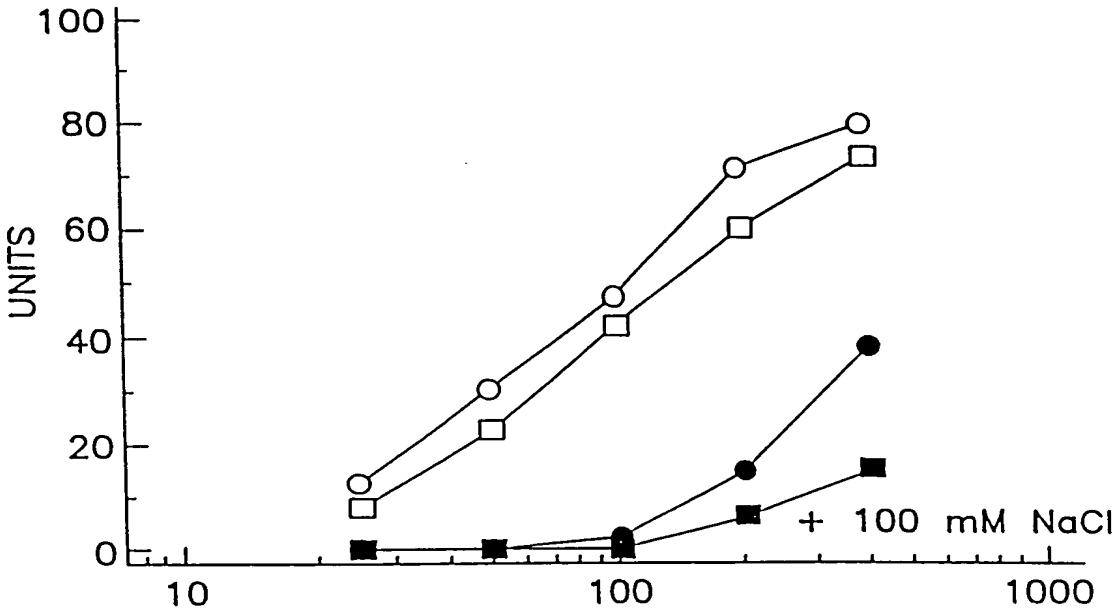

100
80
60
40
20
0
UNITS
10
100
1000
+ 100 mM NaCl
PEPTIDE CONCENTRATION ADDED TO WELL (μg/ml)
NATIVE PG-1
CAM PG-1
NATIVE PG-3
CAM PG-3

FIG. 6f

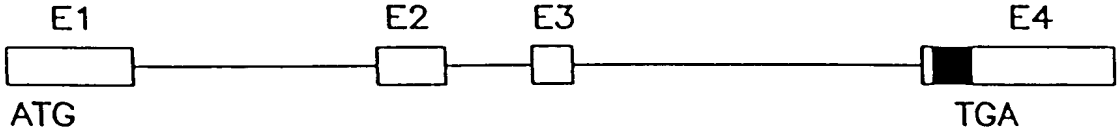

E1
E2
E3
E4
ATG
TGA

FIG. 9

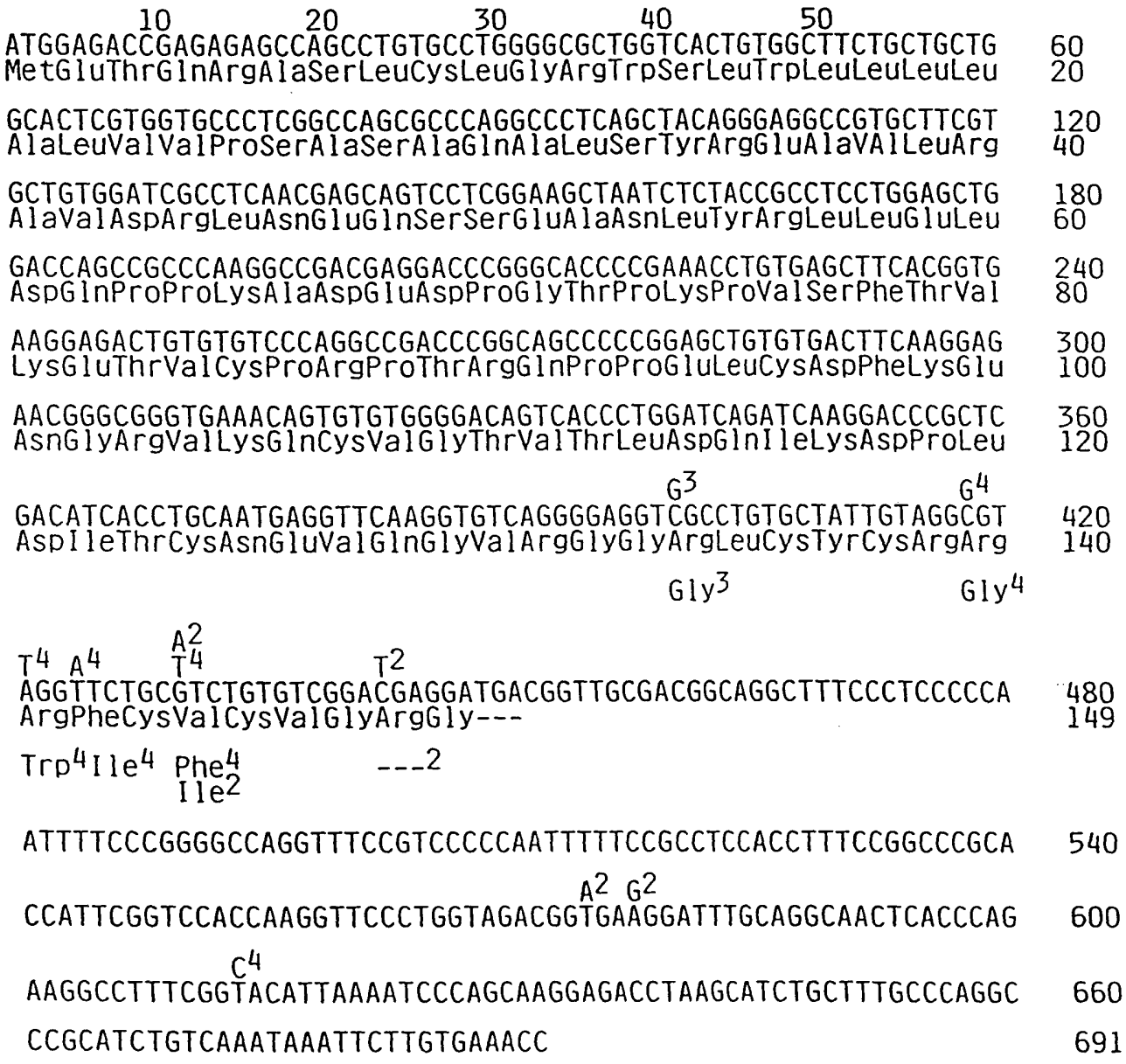

10 20 30 40 50
ATGGAGACCGAGAGAGCCAGCCTGTGCCTGGGGCGCTGGTCACTGTGGCTTCTGCTGCTG 60
MetGluThrGlnArgAlaSerLeuCysLeuGlyArgTrpSerLeuTrpLeuLeuLeuLeu 20
GCACTCGTGGTGCCCTCGGCCAGCGCCCAGGCCCTCAGCTACAGGGAGGCCGTGCTTCGT 120
AlaLeuValValProSerAlaSerAlaGlnAlaLeuSerTyrArgGluAlaValLeuArg 40
GCTGTGGATCGCCTCAACGAGCAGTCCTCGGAAGCTAATCTCTACCGCCTCCTGGAGCTG 180
AlaValAspArgLeuAsnGluGlnSerSerGluAlaAsnLeuTyrArgLeuLeuGluLeu 60
GACCAGCCGCCCAAGGCCGACGAGGACCCGGGCACCCCGAAACCTGTGAGCTTCACGGTG 240
AspGlnProProLysAlaAspGluAspProGlyThrProLysProValSerPheThrVal 80
AAGGAGACTGTGTGTCCCAGGCCGACCCGGCAGCCCCCGGAGCTGTGTGACTTCAAGGAG 300
LysGluThrValCysProArgProThrArgGlnProProGluLeuCysAspPheLysGlu 100
AACGGGCGGGTGAAACAGTGTGTGGGGACAGTCACCCTGGATCAGATCAAGGACCCGCTC 360
AsnGlyArgValLysGlnCysValGlyThrValThrLeuAspGlnIleLysAspProLeu 120
G3 G4
GACATCACCTGCAATGAGGTTCAAGGTGTCAGGGGAGGTCGCCTGTGCTATTGTAGGCGT 420
AspIleThrCysAsnGluValGlnGlyValArgGlyGlyArgLeuCysTyrCysArgArg 140
Gly3 Gly4
A2
T4 A4 T4 T2
AGGTTCTGCGTCTGTGTCGGACGAGGATGACGGTTGCGACGGCAGGCTTTCCCTCCCCCA 480
ArgPheCysValCysValGlyArgGly--- 149
Trp4Ile4 Phe4 ---2
Ile2
ATTTTCCCGGGGCCAGGTTTCCGTCCCCCAATTTTTCCGCCTCCACCTTTCCGGCCCGCA 540
A2 G2
CCATTCGGTCCACCAAGGTTCCCTGGTAGACGGTGAAGGATTTGCAGGCAACTCACCCAG 600
C4
AAGGCCTTTCGGTACATTAAAATCCCAGCAAGGAGACCTAAGCATCTGCTTTGCCCAGGC 660
CCGCATCTGTCAAATAAATTCTTGTGAAACC 691

FIG. 7

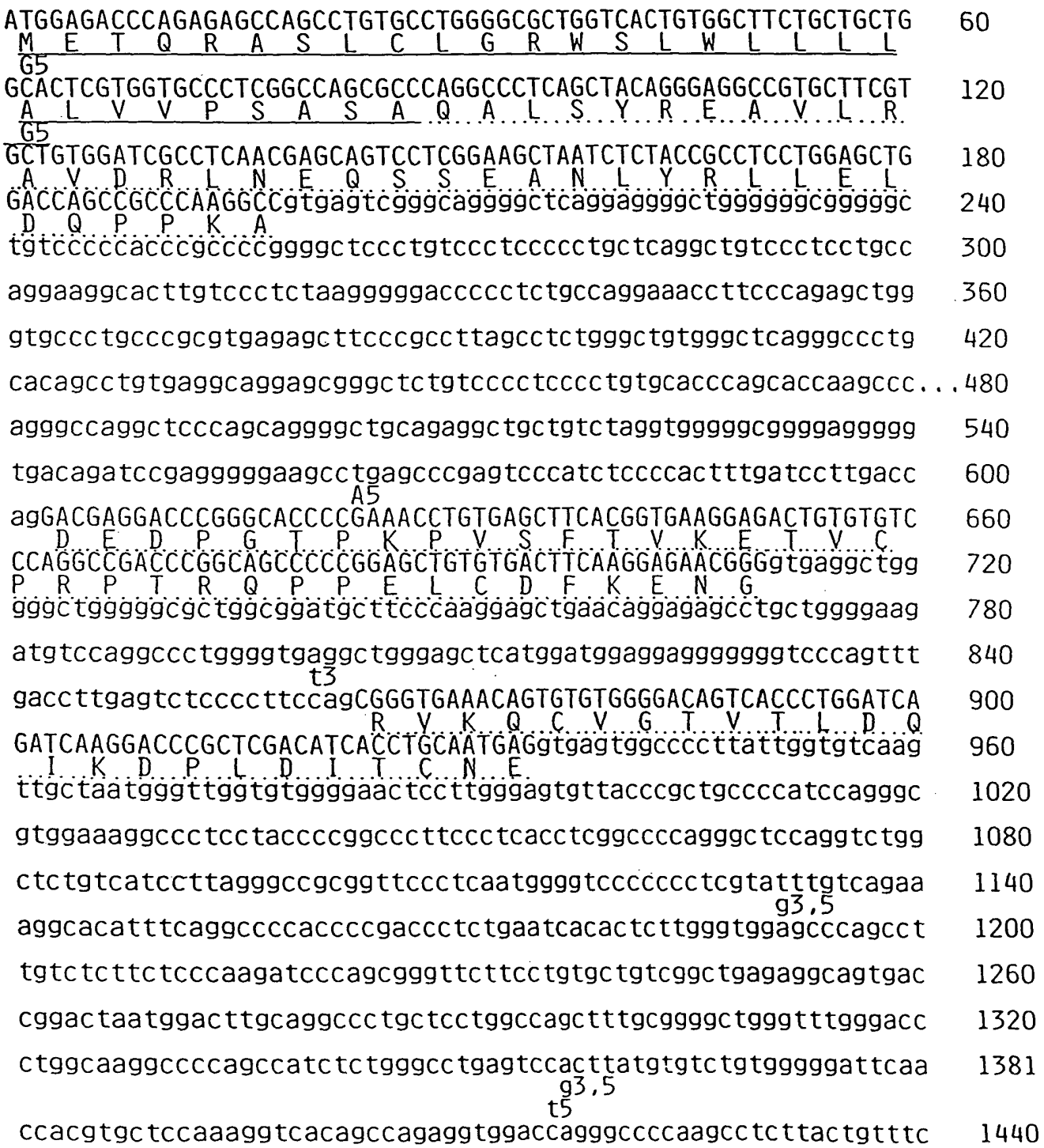
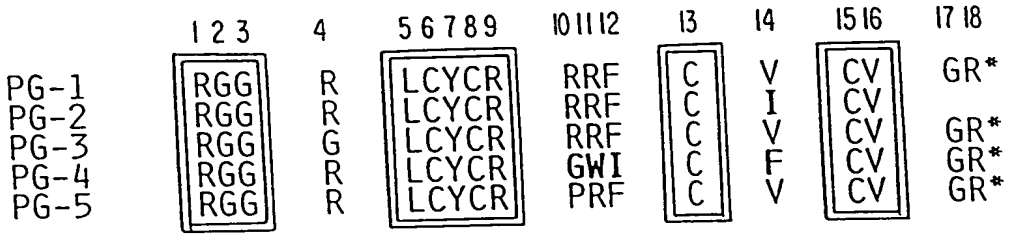

ATGGAGACCCAGAGAGCCAGCCTGTGCCTGGGGCGCTGGTCACTGTGGCTTCTGCTGCTG 60
M E T Q R A S L C L G R W S L W L L L L
G5
GCACTCGTGGTGCCCTCGGCCAGCGCCCAGGCCCTCAGCTACAGGGAGGCCGTGCTTCGT 120
A L V V P S A S A Q A L S Y R E A V L R
G5
GCTGTGGATCGCCTCAACGAGCAGTCCTCGGAAGCTAATCTCTACCGCCTCCTGGAGCTG 180
A V D R L N E Q S S E A N L Y R L L E L
GACCAGCCGCCCAAGGCCgtgagtcgggcaggggctcaggaggggctgggggggcgggggc 240
D Q P P K A
tgtccccccacccgccccggggctccctgtccctcccccctgctcaggctgtccctcctgcc 300
aggaaggcacttgtccctctaaggggggacccccctctgccaggaaaccttcccagagctgg 360
gtgccctgcccgcgtgagagcttcccgccttagcctctgggctgtgggctcagggccctg 420
cacagcctgtgaggcaggagcgggctctgtcccctccccctgtgcacccagcaccaagccc... 480
agggccaggctcccagcaggggctgcagaggctgctgtctaggtgggggcggggaggggg 540
tgacagatccgaggggggaagcctgagcccgagtcccatctccccactttgatccttgacc 600
A5
agGACGAGGACCCGGGCACCCCGAAACCTGTGAGCTTCACGGTGAAGGAGACTGTGTGTC 660
D E D P G T P K P V S F T V K E T V C
CCAGGCCGACCCGGCAGCCCCCGGAGCTGTGTGACTTCAAGGAGAACGGGgtgaggctgg 720
P R P T R Q P P E L C D F K E N G
gggctgggggcgctggcggatgcttcccaaggagctgaacaggagagcctgctggggaag 780
atgtccaggccctggggtgaggctgggagctcatggatggaggagggggggtcccagttt 840
t3
gaccttgagtctcccccttccagCGGGTGAAACAGTGTGTGGGGACAGTCACCCTGGATCA 900
R V K Q C V G T V T L D Q
GATCAAGGACCCGCTCGACATCACCTGCAATGAGgtgagtggcccccttattggtgtcaag 960
I K D P L D I T C N E
ttgctaatgggttggtgtggggaactccttgggagtgttacccgctgccccatccagggc 1020
gtggaaaggccctcctaccccggcccttccctcacctcggccccagggctccaggtctgg 1080
ctctgtcatccttagggccgcggttccctcaatggggtcccccccctcgtatttgtcagaa 1140
g3,5
aggcacatttcaggccccaccccgaccctctgaatcacactcttgggtggagcccagcct 1200
tgtctcttctcccaagatcccagcgggttcttcctgtgctgtcggctgagaggcagtgac 1260
cggactaatggacttgcaggccctgctcctggccagctttgcggggctgggtttgggacc 1320
ctggcaaggccccagccatctctgggcctgagtccacttatgtgtctgtgggggattcaa 1381
g3,5
t5
ccacgtgctccaaaggtcacagccagaggtggaccagggccccaagcctcttactgtttc 1440

FIG. 8a


cccattcagggatttttctagtctggagggagggttcttgtcttgacccttggccagacc 1500
G3
ccacccgaaacctgtttctcttggtcacagGTTCAAGGTGTCAGGGGAGGTCGCCTGTGC 1560
F Q G V R G G R L C
G3
C5 T5
TATTGTAGGCGTAGGTTCTGCGTCTGTGTCGGACGAGGATGACGGTTGCGACGGCAGGCT 1620
Y C R R R F C V C V G R G ***
P5
TTCCCTCCCCCAATTTTCCCGGGGCCAGGTTTCCGTCCCCCAATTTTTCCGCCTCCACCT 1680
TTCCGGCCCGCACCATTCGGTCCACCAAGGTTCCCTGGTAGACGGTGAAGGATTTGCAGG 1740
C3,5
CAACTCACCCAGAAGGCCTTTCGGTACATTAAAATCCCAGCAAGGAGACCTAAGCATCTG 1800
CTTTGCCCAGGCCCGCATCTGTCAAATAAATTCTTGTGAAACC 1843

FIG. 8b


1 2 3
4
5 6 7 8 9
10 11 12
13
14
15 16
17 18
PG-1
PG-2
PG-3
PG-4
PG-5
RGG
RGG
RGG
RGG
RGG
R
R
G
R
R
LCYCR
LCYCR
LCYCR
LCYCR
LCYCR
RRF
RRF
RRF
GWI
PRF
C
C
C
C
C
V
I
V
F
V
CV
CV
CV
CV
CV
GR*
GR*
GR*
GR*

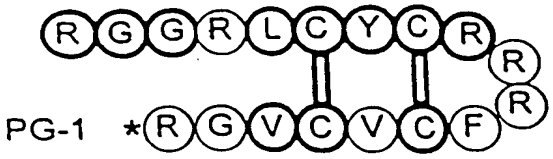

R G G R L C Y C R
R
R
PG-1 * R G V C V C F

FIG. 10

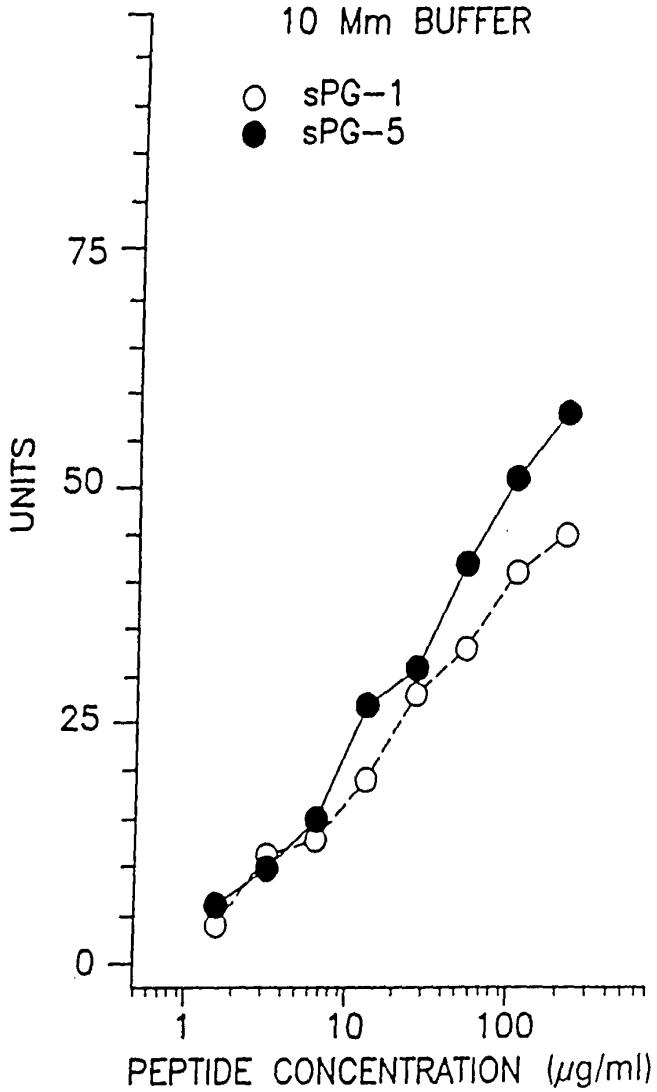


FIG. 11a-1

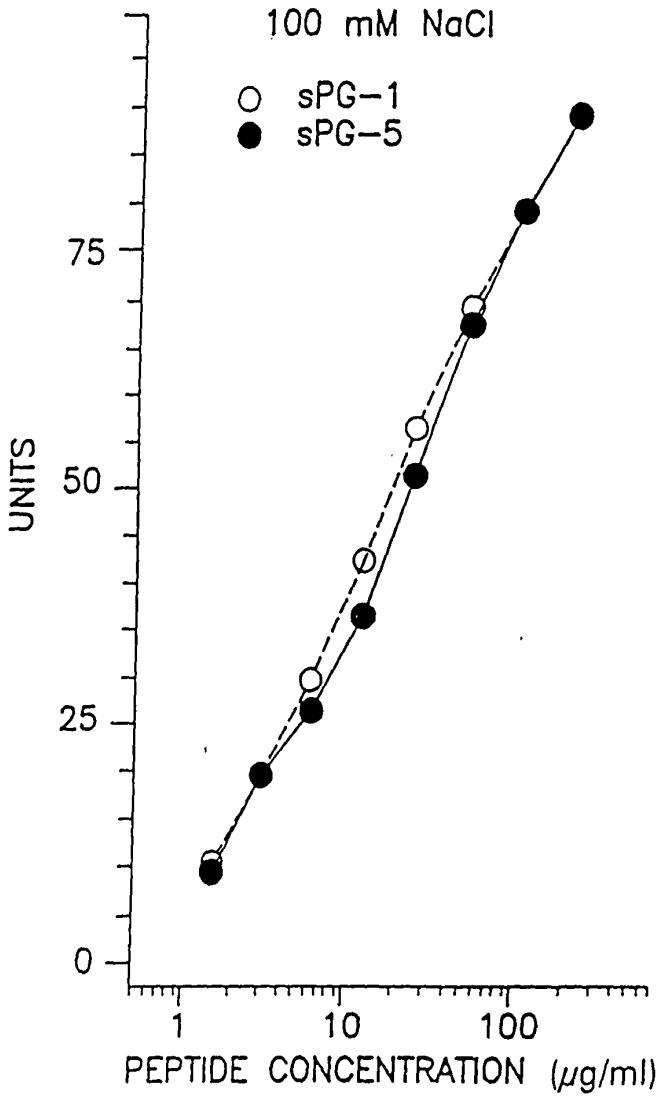


FIG. 11a-2

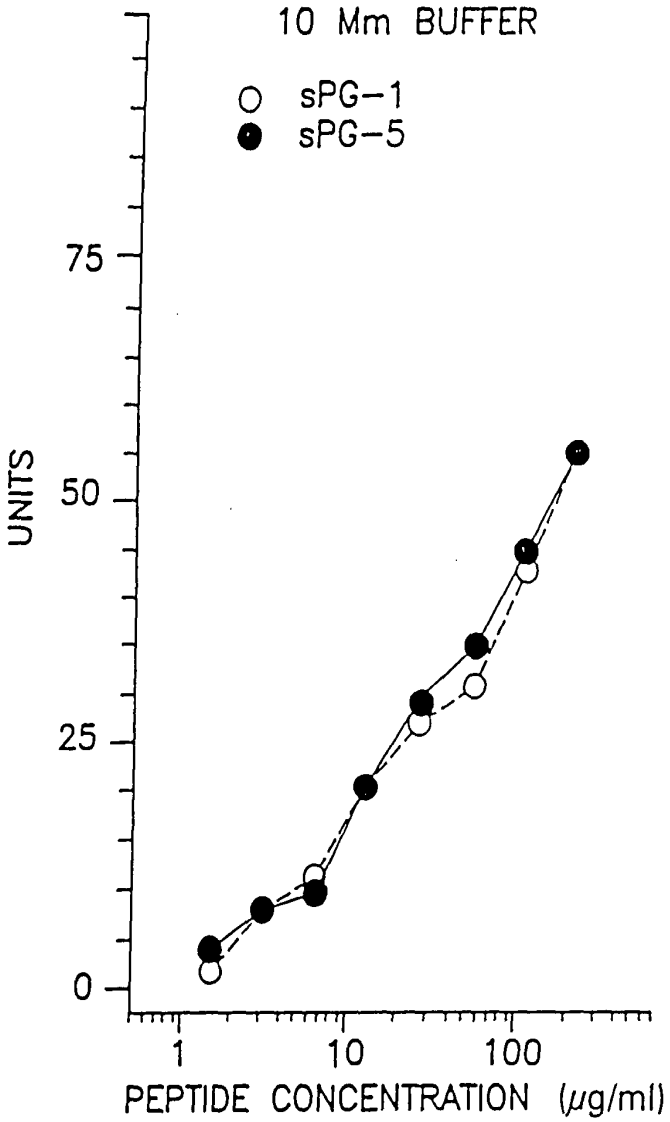


FIG. 11b-1

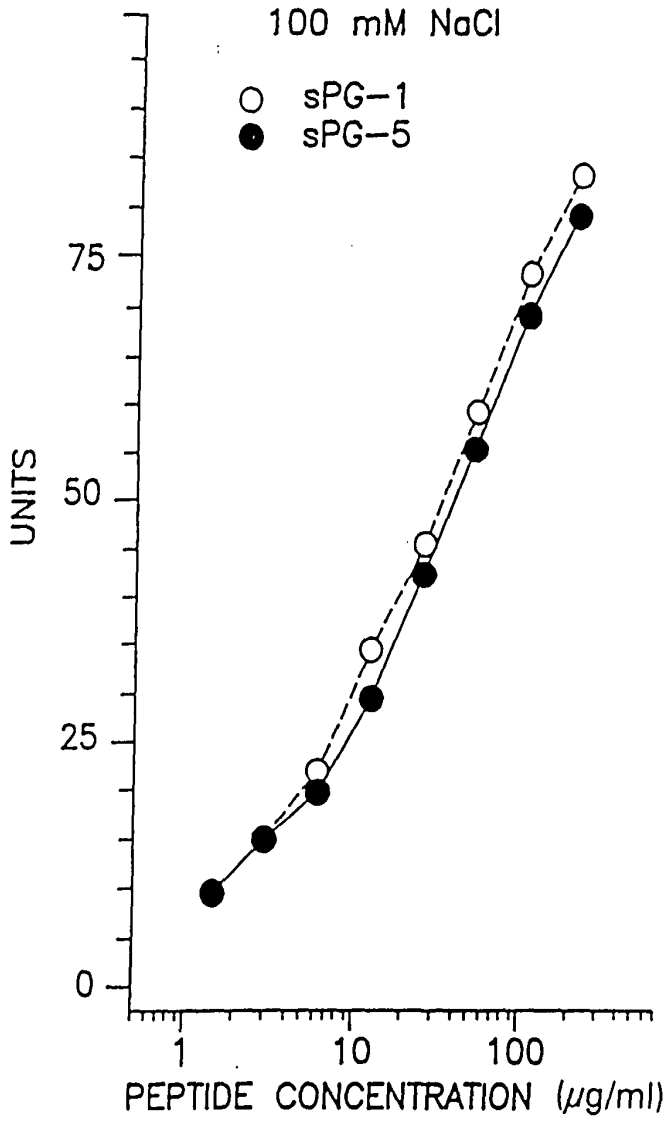


FIG. 11b-2

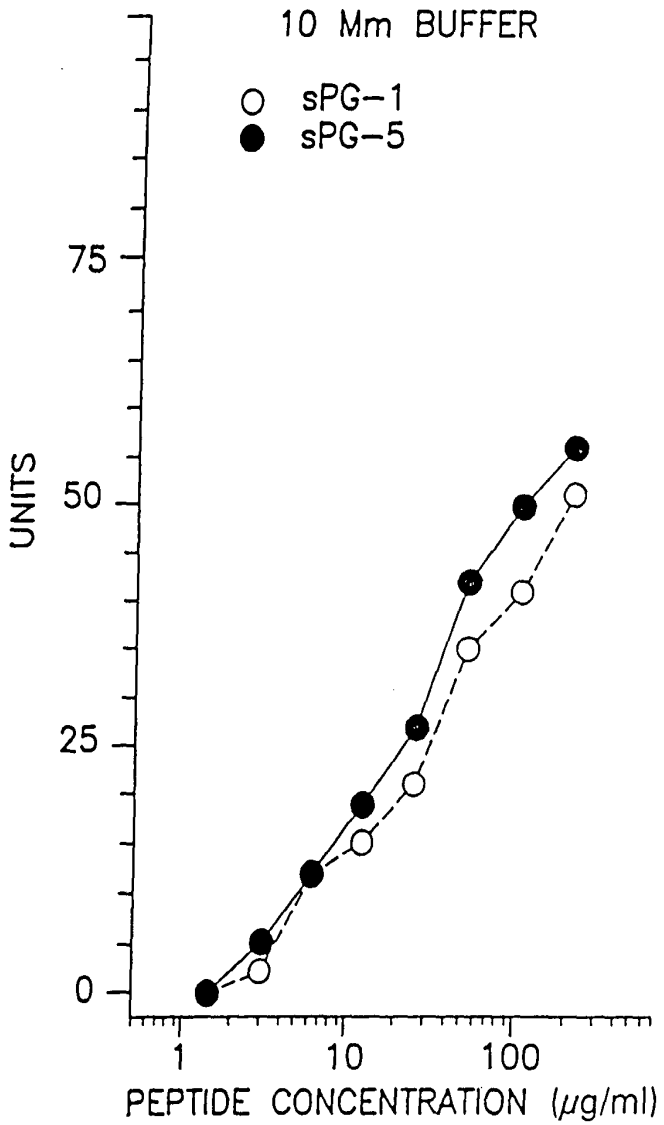


FIG. 11c-1

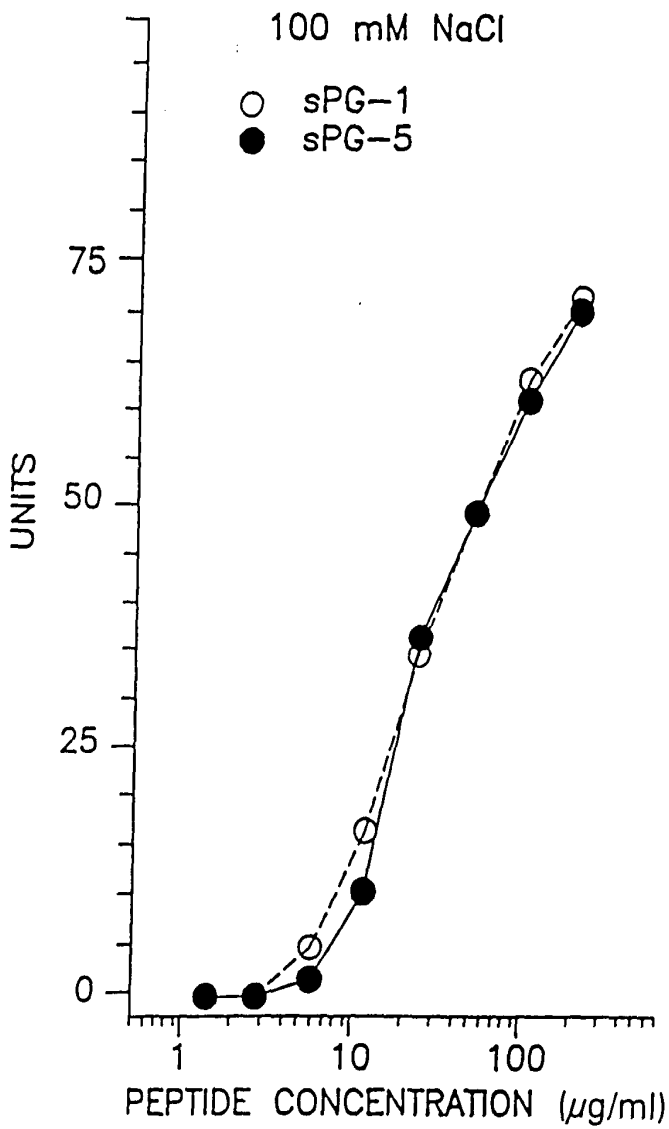


FIG. 11c-2

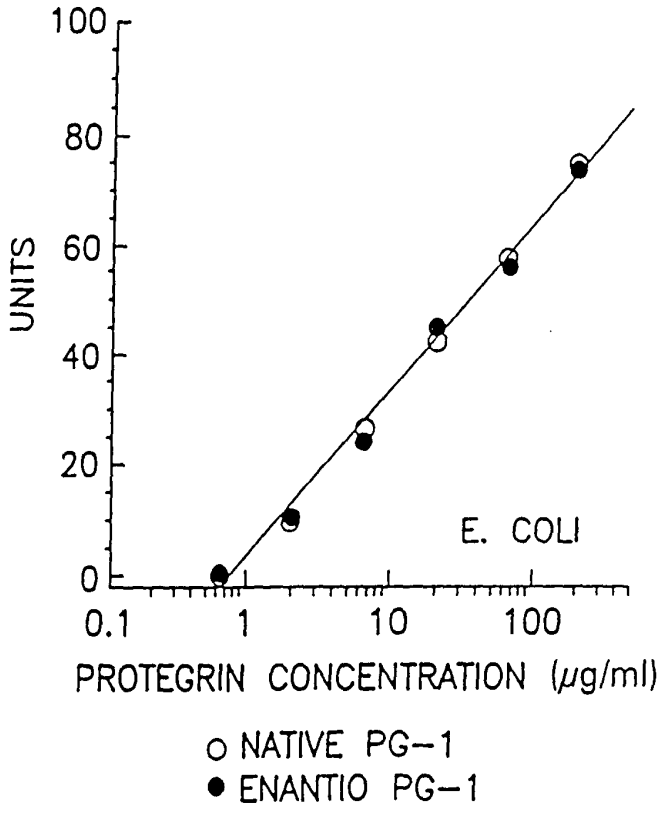


FIG. 12a

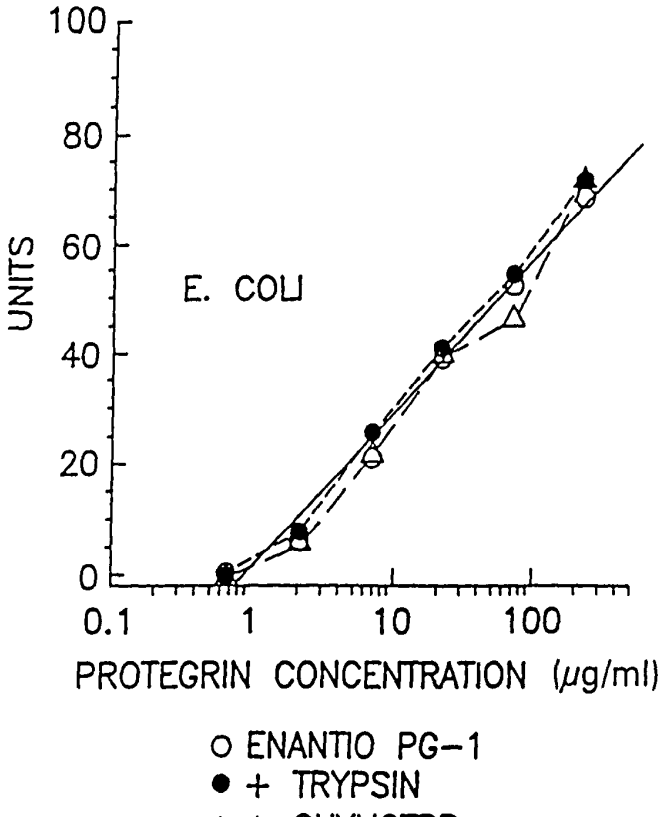


FIG. 12b

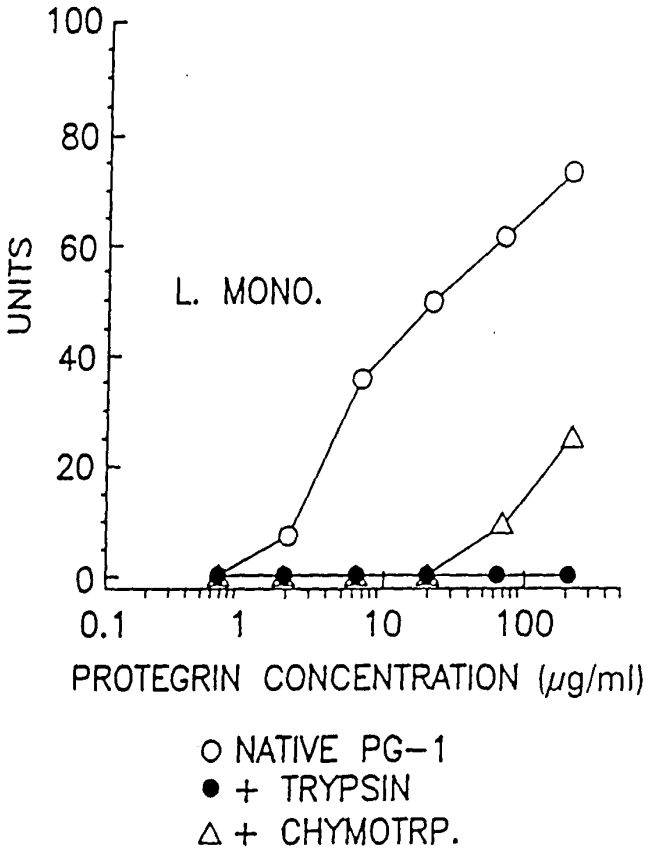


FIG. 12c

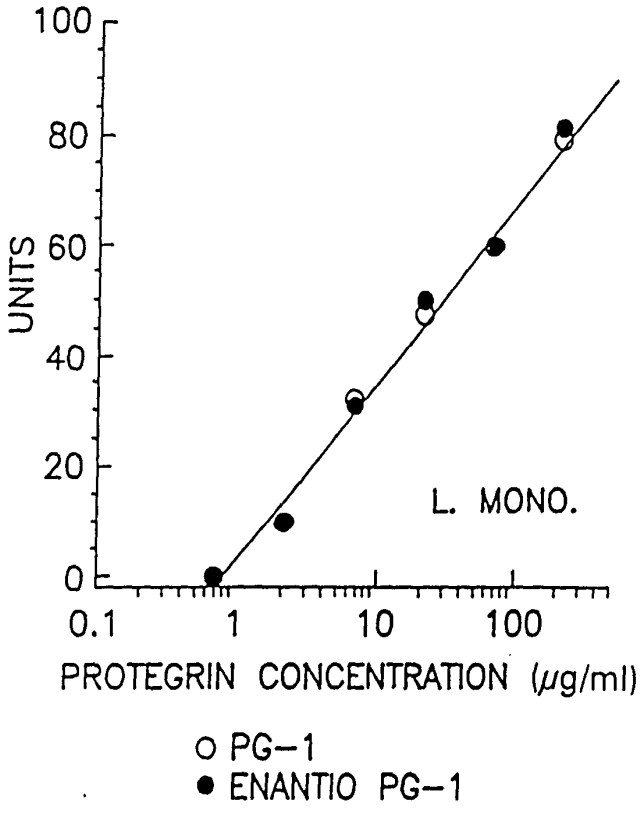


FIG. 12d

OPEN SYMBOLS = KITE, CLOSED SYMBOLS = BULLET

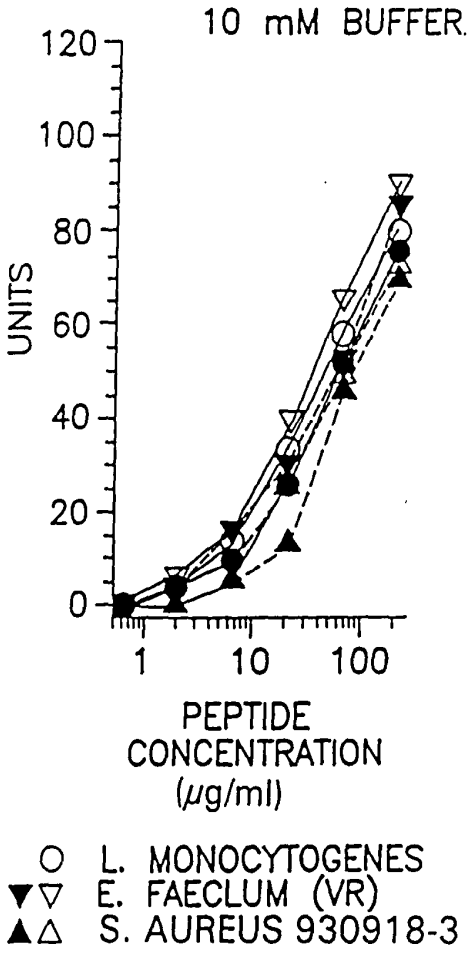


FIG. 13a

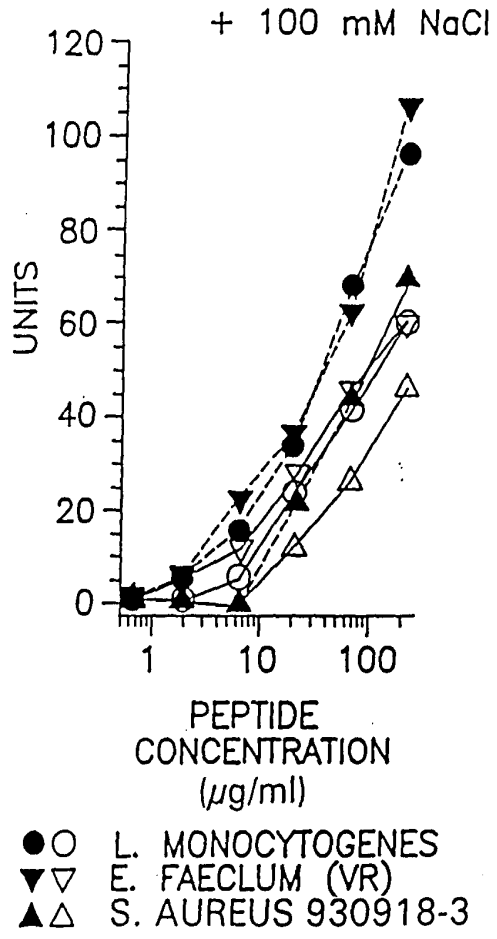


FIG. 13b

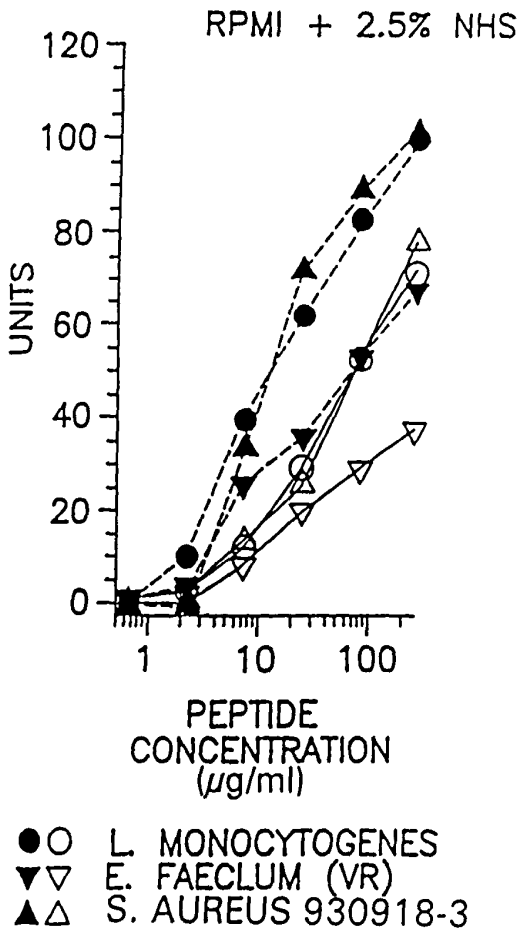


FIG. 13c

OPEN SYMBOLS = KITE, CLOSED SYMBOLS = BULLET

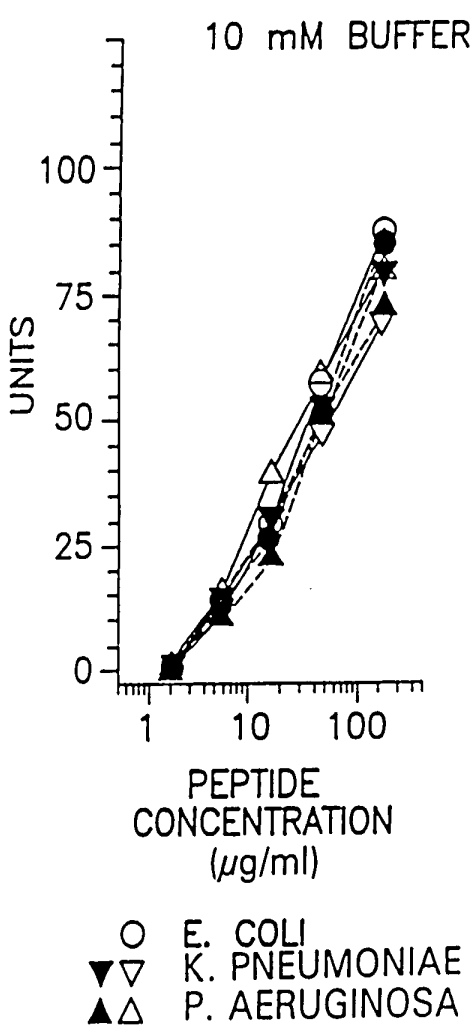


FIG. 14a

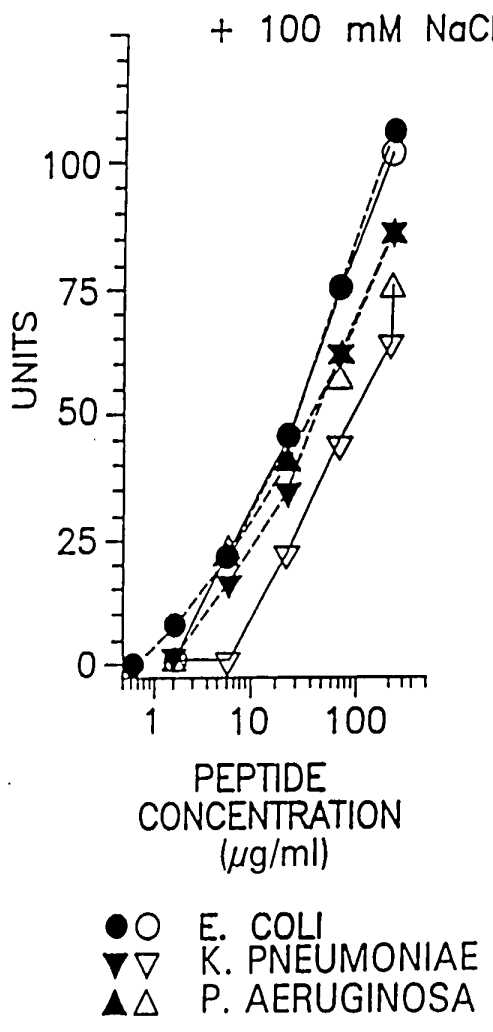


FIG. 14b

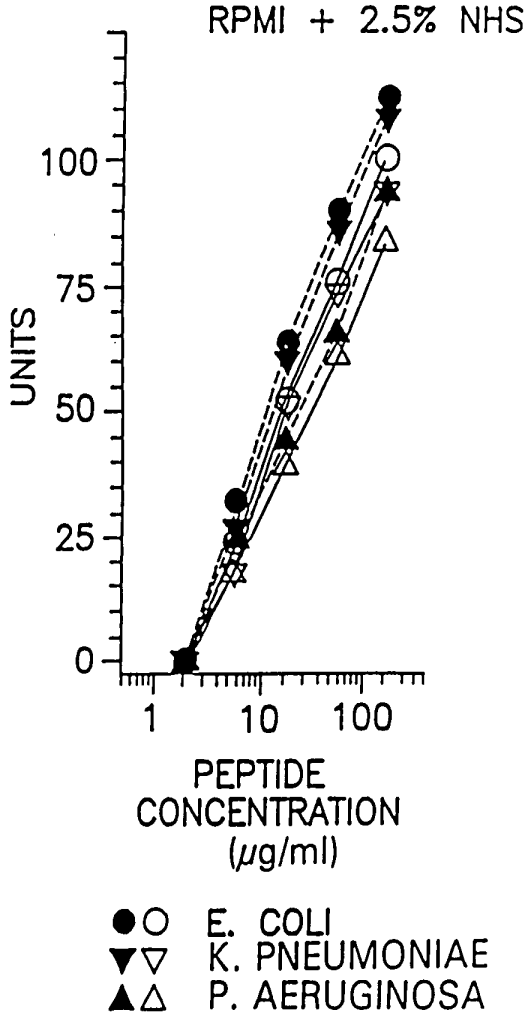


FIG. 14c

OPEN SYMBOLS = LINEARIZED, CLOSED SYMBOLS = NATIVE

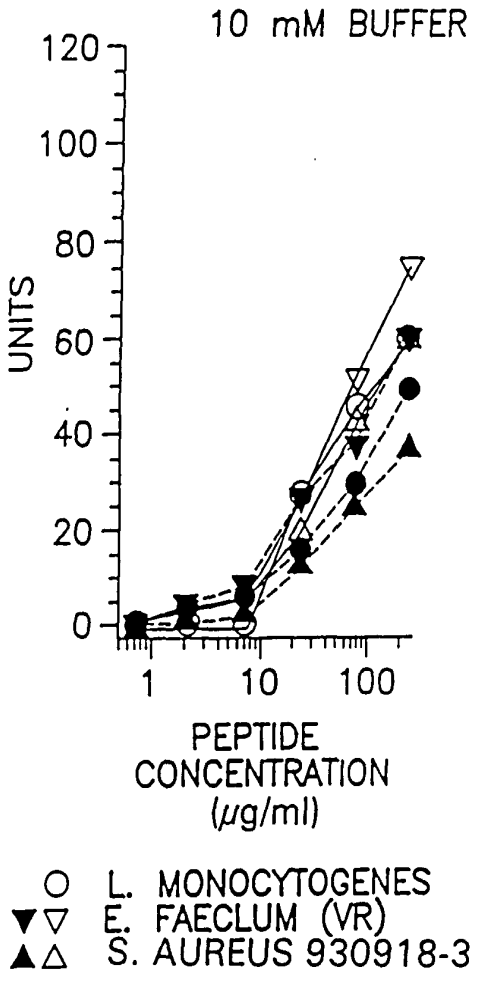


FIG. 15a

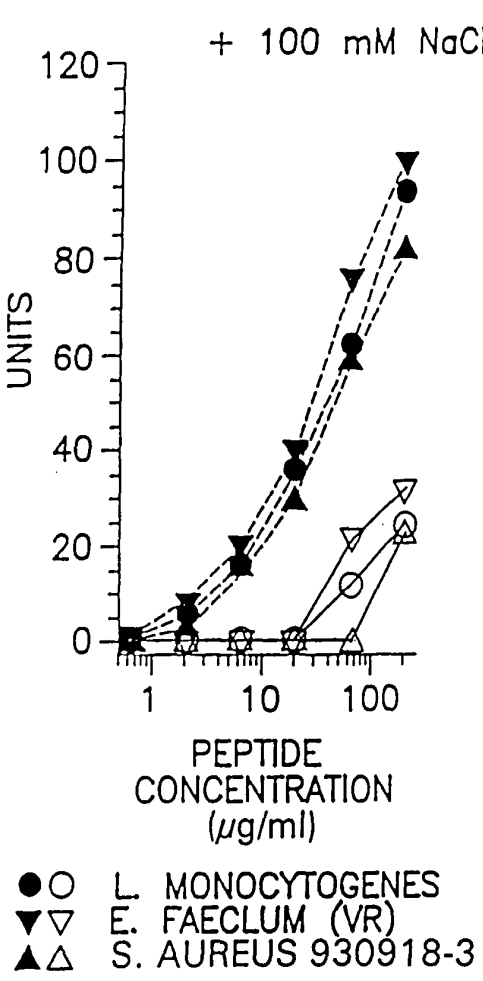


FIG. 15b

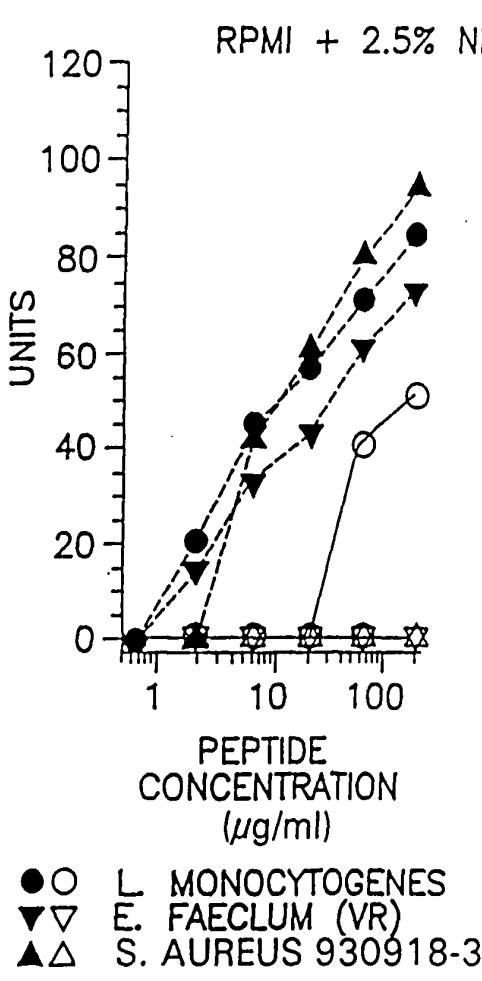


FIG. 15c

OPEN SYMBOLS = LINEARIZED, CLOSED SYMBOLS = sPG-1

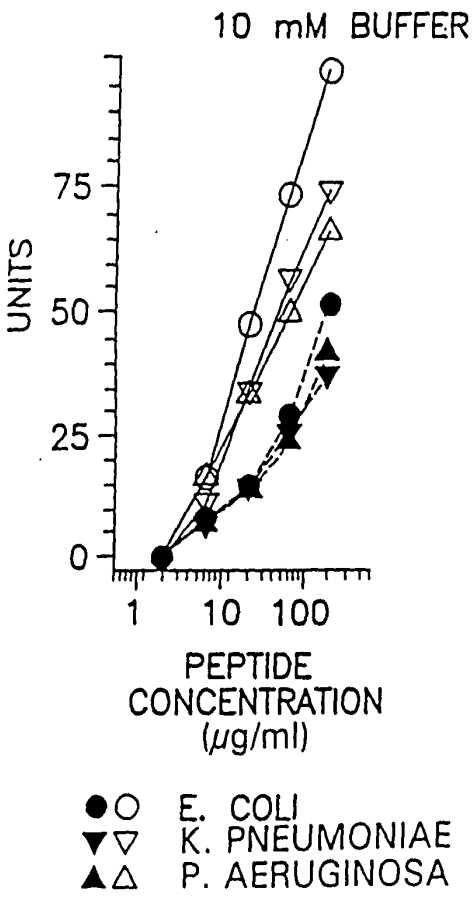


FIG. 16a

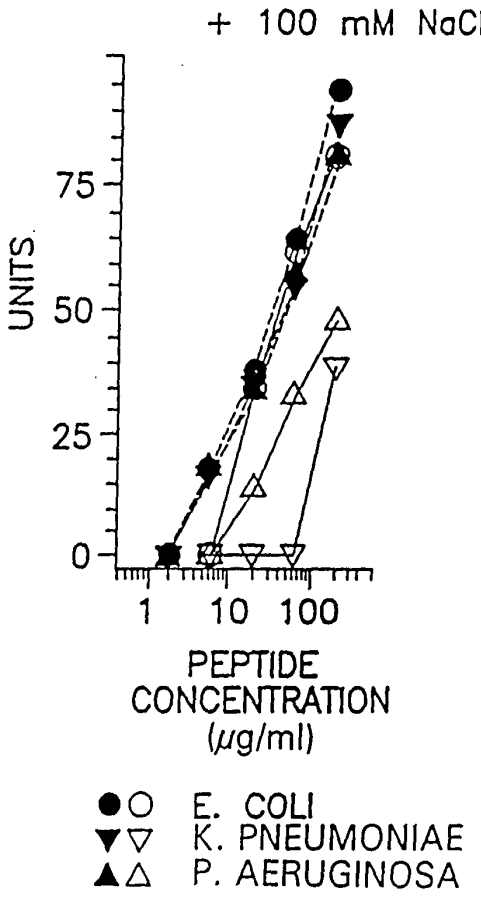


FIG. 16b

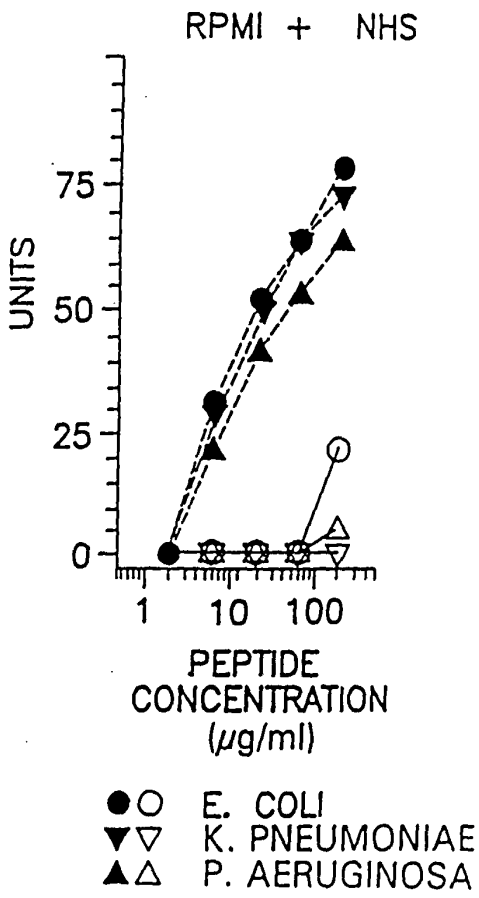


FIG. 16c